In The Matter Of:

United States vs.
PFC Bradley E. Manning

Vol. 5

June 11, 2013

UNOFFICIAL DRAFT - 6/11/13 Afternoon Session

Provided by Freedom of the Press Foundation

1

1   VOLUME V

2   IN THE UNITED STATES ARMY

3

4   UNITED STATES

5   VS.

6   MANNING, Bradley E., PFC   COURT-MARTIAL

7   U.S. Army, xxx-xx-9504

8   Headquarters and Headquarters Company,

9   U.S. Army Garrison,

10   Joint Base Myer-Henderson Hall,

11   Fort Myer, VA 22211

12   _____/

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15   The Hearing in the above-titled matter was

16   continued on Tuesday, June 11, 2013, at 1:45 p.m., at

17   Fort Meade, Maryland, before the Honorable Colonel

18   Denise Lind, Judge.

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4   was not permitted to be in the actual courtroom where

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16   that do not make sense, and missing testimony or

17   colloquy due to being inaudible by the reporter.

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 1   APPEARANCES:

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 3          ON BEHALF OF GOVERNMENT:

 4             MAJOR ASHDEN FEIN

 5             CAPTAIN JOSEPH MORROW

 6             CAPTAIN ANGEL OVERGAARD

 7             CAPTAIN HUNTER WHYTE

 8             CAPTAIN ALEXANDER van ELTEN

 9

10          ON BEHALF OF ACCUSED:

11             DAVID COOMBS

12             CAPTAIN JOSHUA TOOMAN

13             MAJOR THOMAS HURLEY

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1   INDEX

2   June 11, 2013

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 1                      PROCEEDINGS,

 2              THE COURT:  Court is called to order.

 3  Major?

 4              MR. FEIN:  Your Honor, all parties when the

 5  court last recessed are again present.

 6              Captain Morrow is also present.

 7              THE COURT:  Is the government ready to

 8  proceed?

 9              THE PROSECUTION:  The United States calls

10  Mr. Kenneth Moser.

11              THE COURT:  I didn't ask the parties if

12  there are any issues we needed to address, I assume

13  there are none?

14              THE PROSECUTION:  No, ma'am.

15  Whereupon,

16                      KENNETH MOSER,

17  called as a witness, having been first duly sworn to

18  tell the truth, the whole truth, and nothing but the

19  truth, was examined and testified as follows:

20              THE PROSECUTION:  (INAUDIBLE).

21              THE WITNESS:  Yes, sir.
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 1              DIRECT EXAMINATION BY THE PROSECUTION:

 2      Q       Mr. Moser, what is your military

 3  background?

 4      A       21 years in the Air Force since I retired.

 5      Q       What did you do in the Air Force?

 6      A       (INAUDIBLE).

 7      Q       When did you retire?

 8      A       In 2009.

 9      Q       What did you do after retirement?

10      A       I got hired at unit Central Command working

11  as a command paralegal manager.

12      Q       What do you do as command paralegal

13  manager?

14      A       I oversee office, manpower, budget IT,

15  small (INAUDIBLE).

16      Q       And where are you assigned?

17      A       I am at US Central Command down at Tampa.

18      Q       How much do you work with classified

19  information at that position?

20      A       On a daily basis.

21      Q       What are some of the ways you work with
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1 classified information?

2   A   Documents, e-mails, receive a lot of

3 e-mails that are classified. Handling documents,

4 drafting documents that will be classified.

5   Q   How do you identify classified information?

6   A   For a document it would be at the top and

7 bottom of a page marked what the classification level

8 is.

9   Also you'll see paragraphs that are marked

10 appropriately so you might have one paragraph that's

11 unclassified and the next paragraph would be the

12 classified marking.

13   Q   When did you first become involved in this

14 case?

15   A   Approximately three years ago I'd say.

16   Q   Let's talk a little bit about your work

17 with the CENTCOM website. What do you do for the

18 CENTCOM website?

19   A   I'm the Sharepoint portal manager.

20   Q   What is Sharepoint?

21   A   SharePoint is a Microsoft product

1   collaboration tool that our command uses for

2   information, sharing and storage of documents.

3   Q   What do you do to manage it?

4   A   I initially -- when we went to our newest

5   Sharepoint version I built the sites, the look, and

6   feel of them. And then I post documents out there, set

7   up folders, set up different libraries for our

8   different sections in our office that they can then use

9   to, you know, as they see fit for their sections.

10   Q   What version of SharePoint was the CENTCOM

11   website running in 2009, 2010?

12   A   It would have been SharePoint 2007.

13   Q   How long have you been working with

14   SharePoint at CENTCOM?

15   A   When I initially got there in 2005, active

16   duty, I got there 2005 and then we started using

17   SharePoint probably late 2007, 2008 timeframe.

18   Q   Who had access to the CENTCOM website in

19   2009 and 2010?

20   A   The CENTCOM overall website? Anybody who

21   had access to it, had SIPR access, could get onto

1   CENTCOM sites and had a lot of information from our

2   components that they could get on there, get

3   information if they needed to.

4   Q   Specifically what portion do you manage?

5   A   I manage the SJA, the Staff Judge Advocates

6   portal site.

7   Q   Who had access to that SJA portal site in

8   2009, 2010?

9   A   For the home page anybody who had access to

10 the CENTCOM SIPR page could get access to our home

11 page. And then we had a legal document library that

12 was in there that was open to the public. And then we

13 had a few other sites that we had blocked out some

14 other permissions just for personnel site in our

15 office.

16   Q   What kind of information was in the legal

17 document library?

18   A   We just tried to put a lot of information

19 out there for our people that were out in the fields,

20 just a lot of references, checklists, maybe AMHS

21 messages, FRAGOs. Just information that they might

1   need to do their duty.

2   Q   How often have you used this website since

3   2005?

4   A   How often have I used it? When we started

5   using it in late 2007/2008 we didn't use it as

6   frequently as we do now. We use it almost exclusively.

7   We had hung the documents out there over a period of

8   time and so I would say, you know, on a weekly basis we

9   do a little bit here and then get on it, get on the

10   site and put stuff on there.

11   Q   How often do you personally use it?

12   A   Myself? Back then probably I'd say once a

13   week. I mean, to get on the CENTCOM home page portal

14   site every day, that's your setting on your home page.

15   On our site, you know, couple times a week I'd always

16   be on it.

17   Q   How many portals were there in 2009/2010?

18   A   We had a releaseable portables and

19   non-releasable portals.

20   Releasable just meant that it was open to

21   some of our coalition countries. When you went on

1   there it had a purple banner and it read rel. to, the

2   country, Great Britain, New Zealand.

3   Q   What kind of information was in that

4   portal?

5   A   On the rel. portal? It would be

6   information that was either unclassified or information

7   that was releasable to those countries that were out

8   there.

9   Q   What was the non-releasable portal?

10   A   The non-releasable portal was for US only

11   or secret, no foreign. And it was only -- it was

12   locked down to just those US personnel that had access

13   to the SIPR.

14   Q   Who primarily used this portal?

15   A   The secret portal? Just about everybody in

16   the Command tended to use the secret non-releasable

17   more than the rel. It was easier that way to try to

18   avoid having some sort of spillage than putting

19   something on the releasable portal that shouldn't be

20   there.

21   THE PROSECUTION: We're retrieving

 1 Prosecution Exhibit 91 for identification.

 2 BY MR. PROSECUTION:

 3   Q   Mr. Moser, can you see that on the screen?

 4   A   Yes.

 5   Q   What is it?

 6   A   It's a snapshot there of our non-releasable

 7 portal page, the CENTCOM home page there.

 8   Q   How do you recognize it?

 9   A   We got our leadership there in the center,

10 2007 version. That was who the leadership was.

11   And then at the top it has the secret

12 SIPRNET. That's what it has on it. So and then the

13 left-hand corner, that's the CENTCOM logo, United

14 States Central Command SIPRNET. That was the home

15 page.

16   Q   Does this accurately reflect how the

17 website looked in 2009 and 2007?

18   A   Yes, sir.

19   Q   What is accessible from this web page?

20   A   Most of the stuff on the left side would be

21 accessible to open up to the public and then there's a

1   banner, it's not shown on there, that goes across it.

2   It had all the different organization, all the

3   different diplomats. They would have drop down menus

4   that you could go to their sites as well their home

5   pages.

6   Q   Do you recognize this document?

7   THE COURT: What is that document? Is it

8   part of the same exhibits?

9   THE PROSECUTION: Yes.

10   A   That is a snapshot of our SSJA, the home

11   page of the non-releasable portal.

12   Q   How would a user navigate to the home page?

13   A   From the home page they could have gone to

14   the organization and seen Special Staff and JA would

15   have fell underneath the Special Staff and that's why

16   it has a non-releasable JA site there.

17   Q   How do you recognize it?

18   A   Those were personnel that were in our

19   office that they have -- and over on the left-hand

20   side, the areas of expertise, CENTCOM legal document

21   library. Post government employer. Those are all

1 stuff that were on our site.

2   Q   Do you recognize this document?

3   A   Yes, sir. That is, looks like all the

4 folders that we had at the time in our CENTCOM legal

5 document library.

6   Q   How often did you work with this library?

7   A   Like I said, maybe a few times a week back

8 then, depending on what folder. We might get one

9 document that, you know, document in it or one PDF file

10 in a particular folder.

11   Q   Who at CENTCOM used this library primarily?

12   A   This is open to our command and it was open

13 to those personnel, like I said, that were in theater

14 that could have access to this page. This is where we

15 tried to hang a lot of information out there for

16 personnel to get access to.

17   Q   Do you recognize this page?

18   A   Yes, sir. That's, that was an

19 investigation that we had. It was under the

20 investigations library. That was our folder under the

21 CENTCOM legal document library.

1   Q   What was the fraud investigation?

2   A   It was a CIC code investigation from

3 Afghanistan, casualty.

4   Q   When was this, when was this folder on

5 CENTCOM's website?

6   A   Back around 2008 when we had the SharePoint

7 site we started, this would be one of the folders that

8 we created under the investigation folders.

9   Q   What was the investigations folder used for

10 primarily?

11   A   We had put some of the investigations out

12 there just kind of a storage place for documents.

13   Q   Who primarily accessed this?

14   A   Mainly it was personally in our office,

15 like I said, anything under the CENTCOM legal document

16 library was opened up to those US personnel that had

17 access to it.

18   Q   How would somebody navigate to this folder?

19   A   Under the CENTCOM legal document library

20 you would have had a folder called investigations.

21 They would click on that folder and it brought up this

1 particular investigation.

2   Q   Do you recognize this document?

3   A   Yes, sir.

4   Q   What is it?

5   A   Those were subfolders under the Farah

6 investigation.

7   Q   And what would have been in these folders.

8   A   It would have been information contained

9 from the investigation. You see the folders' names and

10 e-mails and logistics of the people that were

11 investigating or e-mails from investigation briefs.

12 There's videos, which would contain videos of the

13 investigation.

14   Q   When would this folder have been on the

15 CENTCOM website?

16   A   During the same time it was created when

17 the Farah investigation folder was started.

18   Q   Who had access to it?

19   A   Once again, the same personnel. It's been

20 open to those personnel that had access to the CENTCOM

21 non-releasable portal site.

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 1        Q       Do you recognize this?

 2        A       Yes, sir.

 3        Q       What is it?

 4        A       Those were folders, zip files that had

 5   videos in it that were included in the, they're under

 6   the video folders of the Farah investigation.

 7        Q       Why were they there?

 8        A       They were there as part of the whole

 9   investigation that was out there on the site.

10        Q       What does the icon to the left of BE22PAX

11   indicate?

12        A       The icon underneath the type?

13        Q       Yes.

14        A       That was a zip file that contained the

15   videos inside of that folder so if you click on that it

16   takes you to where the video was; BE22 was the video.

17        Q       Were they protected?

18        A       No, sir.

19        Q       By password?

20        A       Should have been able to access them.

21        Q       When would this be on the website?
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 1   A   Same time the investigation was completed,

 2   2008 somewhere.

 3   Q   Who had access to it?

 4   A   Same person that had access to the CENTCOM

 5   library, the CENTCOM home page.

 6   Q   Mr. Moser, was that file, the zip file,

 7   protected?

 8   A   The file, it is protected now. I don't

 9   know. I can't recall back then if it had a password on

10   it at that time. We downloaded the whole investigation

11   we put on this portal site, so.

12   THE PROSECUTION: Your Honor, the

13   government moves to admit Prosecution Exhibit 19 for

14   admission into evidence.

15   THE DEFENSE: No objection, ma'am.

16   THE COURT: Exhibit 91 for identification

17   is admitted.

18   May I see it?

19   THE DEFENSE: Cross-examination?

20   THE COURT: Yes, sir.

21   CROSS EXAMINATION BY THE DEFENSE:

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 1        Q        Good afternoon, Mr. Moser.

 2        A        Yes, sir.

 3        Q        The use of SharePoint in CENTCOM, that was

 4   something that was directed to be used?

 5        A        Each division or section could use it as

 6   they see fit.  Some people use it as a collaboration

 7   tool, some use it as storage site, as you see fit.

 8   Back then it wasn't a mandate that you had to use it.

 9        Q        You said, when you talked to Captain Fein,

10   you go on the website fairly frequently?

11        A        I do.

12        Q        Do you ever go to any other staff sections?

13        A        Are you talking currently?

14        Q        No, let's go back in 2009, the same

15   timeframe that Captain Fein was talking about?

16        A        Yes, sir.

17        Q        You went on those other sections?

18        A        I went on others; yes, sir.

19        Q        Not to force you to do a class on the

20   structure of the Central Command, but the Central

21   Command is a very robust headquarters, correct?
```

1   A   Yes, sir.

2   Q   It has all the normal staff sections that

3 you would associate with the headquarters of that size?

4   A   Correct.

5   Q   Personnel?

6   A   J1 we called it.

7   Q   J2 with intelligence?

8   A   Correct.

9   Q   Plans J5, J3 current operations?

10   A   Yes, sir.

11   Q   All of those. And would you have occasion

12 in this time period to go to those particular pages?

13   A   Yes, sir. A lot of times if I do legal

14 research, for example, I would go on the J3 ops, on the

15 site I had I could do research on FRAGOs or op orders

16 or things like that. A lot of information like that

17 was out on the other sites I can get to.

18   Q   And the robust use of SharePoint, the use

19 of SharePoint anyway was something that all staff

20 sections were doing, hanging information on there,

21 using it for their own use or hanging out there for

1   anyone that could get on the site?

2   A   They would push stuff out there. Like I

3   said, each section controlled the permission level. A

4   lot of stuff I wouldn't have access or know it was out

5   there. I might not see it. I wouldn't know what other

6   sections -- stuff I couldn't see I wouldn't know what's

7   out there.

8   Q   Right. You wouldn't know until you get

9   into --

10   A   Until somebody gave me permission or told

11 me about a site and I could ask for permission to get

12 to it.

13   Q   But you assume you had permission, that you

14 could go on there and conduct your legal research or

15 looking at operations orders or FRAGOs or weather or

16 whatever?

17   A   You could -- the way SharePoint works, you

18 lock down permission level. And I do a search, it

19 won't pull up search on the sites that I don't have

20 access to. You won't know a sites exists if you don't

21 have certain permission levels. You go to the right

1 side and you might not see a folder where somebody else

2 that has permission would have the folder on that

3 particular site.

4   THE DEFENSE: Thanks, Mr. Moser.

5   THE WITNESS: Yes, sir.

6   THE COURT: Redirect?

7   THE PROSECUTION: No, Your Honor.

8   THE COURT: Temporary or permanent excusal?

9   THE PROSECUTION: Temporary.

10   THE COURT: Mr. Moser, you're temporarily

11 excused. Please don't discuss your testimony or

12 knowledge of the case with anyone other than counsel or

13 the accused.

14   Please call your next witness.

15   THE PROSECUTION: United States offers of a

16 stipulation for the record. Stipulation of expected

17 testimony is going three in a row, Your Honor, PE73

18 prosecution Exhibit 74 and Prosecution Exhibit 75.

19   THE COURT: Thank you.

20   (Whereupon, Prosecution Exhibit 73, the

21 stipulated testimony of James Fung, was read into the

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 1   record.)

 2               THE PROSECUTION:  The United States calls

 3   Special Agent Dave Shaver.

 4   Whereupon,

 5                    DAVID SHAVER,

 6   called as a witness, having been previously duly sworn

 7   to tell the truth, the whole truth, and nothing but the

 8   truth, was examined and testified as follows:

 9               DIRECT EXAMINATION BY THE PROSECUTION:

10       Q      You can have a seat in the chair.  You are

11   still under oath.

12               Did you examine an image of a computer

13   seized from an individual Jason Katz?

14       A      Yes, I did.

15       Q      Why were you asked to examine the computer?

16       A      To determine the presence of a file called

17   B dot zip.

18       Q      Before you began your examination, did you

19   ensure that the examination was forensically sound?

20       A      Yes, sir.  I verified the hash values

21   matched and I started my examination.
```

1   Q   And first, before we get into the B dot

2 zip, what kind of computer was this?

3   A   Sir, there was a Linux computer.

4   Q   What is that?

5   A   Sir, that's just an operating system.

6   Q   Did you find the B dot zip file?

7   A   Yes, sir; I did. There was one user

8 account on the computer. The user name was Kupo,

9 K-U-P-O, within that user profile, the file b dot zip

10 was present.

11   Q   Can you please tell us about b dot zip?

12   A   Yes, sir.

13   Q   Did this zip file have any security

14 protections on it?

15   A   Yes, sir. It was -- it had a password.

16   Q   What do you mean? If it had a password,

17 how would I open this file essentially?

18   A   Sir, it was a zip file so if you double

19 click on it, it would ask you for the password.

20   Q   Now, if I double clicked on the zip file,

21 would I be able to see the contents of the file?

```
 1      A      You can see the file listing, yes, sir; but
 2  not actually, you couldn't actually see the movie
 3  inside.
 4      Q      So if I tried to double click on the movie
 5  inside I wouldn't be able to open it?
 6      A      Correct.
 7      Q      And how complicated was this password?
 8      A      Sir, the password was complicated.  It had
 9  both upper case, lower case, numbers and symbols within
10  the password.
11      Q      And how did you get the password to open
12  this file?
13      A      The password was provided to me by another
14  CCIU agent.
15      Q      And where had that password been collected
16  from?
17      A      CENTCOM itself.
18      Q      What was inside the b dot zip file?
19      A      There was a movie file, BPAX number 22 dot
20  WMV.
21      Q      What is dot WMV?
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1       A       It's a Windows movie file, sir.

2       Q       And have you seen this movie file before?

3       A       I had, sir.

4       Q       And when had you seen this movie file?

5       A       Sir, in examination of the CENTCOM server,

6  SharePoint Server itself, I noticed it there and viewed

7  it there as well.

8       Q       Where on the CENTCOM server?

9       A       There's a folder concerning the SJA

10 investigations on a subfolder called Farah.

11      Q       I'm retrieving what's been admitted as

12 Prosecution Exhibit 65.

13              If I can ask you to move over to the panel

14 box and if you would just sit in there.

15      A       Yes, sir.

16              THE COURT:  Is that Prosecution Exhibit 65?

17              THE PROSECUTION:  65.

18      Q       I'm handing you Prosecution Exhibit 65.  If

19 you would just take a couple moments to look through

20 it.

21              (Witness reading.)
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1   Q   Do you recognize that document?

2   A   Yes, sir; I do.

3   Q   What is it?

4   A   It's a file listing of the contents of the

5 Farah investigation folder.

6   Q   What does a file listing tell you or show

7 you?

8   A   The file names and folder of that

9 directory.

10   Q   Just using that can you find where the

11 B22PAX.wmv, where that movie file was located, using

12 the file listing?

13   A   Yes, sir.

14   Q   And where is it?

15   A   It's at the end, sir, it's in alphabetical

16 listing. The folder is under a folder called videos

17 and it's --

18   Q   Is there a subfolder under videos?

19   A   No, it's Farah videos and then the file

20 name is BE22PAX.

21   Q   So the WMV is within the dot zip?

```
 1        A       Yes, sir.

 2                THE COURT:  Yes.

 3                THE DEFENSE:  The defense will stipulate

 4   the video on the (INAUDIBLE) is the same if that's

 5   where prosecution is going.

 6                THE PROSECUTION:  That's where we're going.

 7                THE COURT:  Okay.

 8                THE PROSECUTION:  Just a couple more

 9   questions.

10   BY THE PROSECUTION:

11        Q       Did you watch the BE22PAX.wmv?

12        A       Yes, sir.

13        Q       What did the movie depict?

14        A       It depicted a aircraft over a battle space.

15        Q       Did this particular movie file depict any

16   airstrikes?

17        A       No, sir.

18        Q       Did you observe any explosions in this

19   movie file?

20        A       No, sir.

21        Q       How do you know?
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 1        A       I watched it.

 2        Q       You watched both versions?

 3        A       Yes, sir.

 4        Q       Was there any metadata associated with the

 5   dot zip file on Mr. Katz's computer?

 6        A       Yes, sir.

 7        Q       Can you explain what metadata is first

 8   before you answer?

 9        A       Yes, sir.  Metadata is information on

10   information.  In this case it would be, I believe

11   you're talking about the file creation date.

12        Q       Yes, sir.

13        A       The file creation of this file was 15

14   December 2009.

15        Q       And what does that mean to you?

16        A       That means someone copied the file on this

17   computer on 15 December 2009.

18        Q       And during your examination of this

19   computer, did you observe any other activity of

20   interest?

21        A       Yes, sir.  There was a, the user of this
```

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 1   account was attempting to decrypt the file or get the

 2   password of the zip file.

 3        Q        How do you know?

 4        A        From a few things.  There's a folder

 5   called, it was a history file that captured the

 6   commands are issued, the downloading of an open source,

 7   password cracking utility and several dictionaries to

 8   help facilitate the password cracking.

 9        Q        Why would the dictionaries help facilitate

10   password cracking?

11        A        Dictionary (INAUDIBLE) is a common

12   methodology for decrypting files.  It would use words

13   or generate common words and use that as a source to

14   get the passwords.

15                 THE COURT:  Cross-examination?

16                 THE DEFENSE:  One minute, Your Honor?

17                 THE COURT:  Yes.

18                 CROSS-EXAMINATION BY THE DEFENSE:

19        Q        Just a few questions for you.

20        A        Yes, sir.

21        Q        You testified on direct that you compared
```

1   the video on the Jason Katz's computer to the video on

2   the CENTCOM server?

3   A   Yes, sir.

4   Q   They were both on the Katz computer and the

5   CENTCOM server, both of those files were in the zip

6   folder?

7   A   Correct.

8   Q   And the zip folders had different hash

9   values?

10   A   That's correct.

11   Q   But the video inside, those had the same

12   hash value?

13   A   Yes, sir.

14   Q   So it's possible for the zip folder to have

15   a different hash value but then the files inside to

16   have the same hash value?

17   A   Yes, sir.

18   Q   And you testified that Jason Katz somehow

19   placed that file on his computer on 15 December,

20   correct?

21   A   The user account did, yes.

```
 1        Q        But you don't know how it got there?

 2        A        No, sir.

 3        Q        It could have been a CD, it could have

 4   been -- it could have been a CD?

 5        A        Yes, sir.

 6        Q        It could have been a download?

 7        A        Anything is possible.

 8        Q        So there are a lot of different ways that

 9   that file could have been placed on the computer?

10        A        Yes, sir.

11        Q        Now, when you were performing your forensic

12   examination of Mr. Katz's computer, you found something

13   called a secure shell on there, correct?

14        A        Correct.

15        Q        Could you explain for the court what a

16   secure shell is?

17        A        That is a secure communication method.

18   It's an encrypted tunnel between two different

19   computers.  One can issue commands from one computer to

20   another.

21        Q        So a secure shell would allow, could
```

1   potentially allow a person-to-person to communicate

2   between their system at work and the system at home for

3   example?

4   A   Sure.

5   Q   Now, when you were performing the forensics

6   on Mr. Katz's computer you looked at everything,

7   correct?

8   A   Yes, sir.

9   Q   You looked at e-mails?

10   A   I searched the whole drive; yes, sir.

11   Q   You searched the whole drive and when you

12   were doing your forensic examination of Mr. Katz's

13   computer, you looked for things related to my client,

14   correct?

15   A   Yes, sir.

16   Q   But you didn't find anything related to my

17   client, correct?

18   A   That's correct.

19   Q   There weren't e-mails between Mr. Katz and

20   PFC Manning?

21   A   Correct.

1   Q   There weren't chats between Mr. Katz and

2 PFC Manning?

3   A   Correct.

4   Q   And in fact your investigation revealed

5 absolutely no connection whatsoever between Jason Katz

6 and my client?

7   A   That is correct.

8   THE DEFENSE: Nothing further. Thank you.

9   THE COURT: Redirect?

10   THE PROSECUTION: No, Your Honor.

11   THE COURT: All right. Once again, you are

12 temporarily excused. Please don't discuss your

13 testimony or knowledge of the case with anyone other

14 than counsel or the accused.

15   THE PROSECUTION: Your Honor, I have the

16 stipulation of the expected testimony of Mr. Wyatt Bora

17 dated 10 June 2013.

18   THE COURT: That's Prosecution Exhibit?

19   THE PROSECUTION: Prosecution Exhibit 115.

20   THE COURT: Thank you.

21   (Whereupon, Prosecution Exhibit 115, the

1   stipulated testimony of Wyatt Bora, was read into the

2   record.)

3   THE PROSECUTION: The stipulation of

4   expected testimony of Mr. Patrick Hoeffel dated 10

5   June 2013. Prosecution Exhibit 116, ma'am.

6   THE COURT: Okay.

7   (Whereupon, Prosecution Exhibit 116, the

8   stipulated testimony of Patrick Hoeffel, was read into

9   the record.)

10   MR. FEIN: I have two more stipulations of

11 expected testimony, PE113 and PE78. 113 and 78.

12   THE COURT: Thank you.

13   (Whereupon, Prosecution Exhibit 113, the

14 stipulated testimony of Deborah van Alstyne, was read

15 into the record.)

16   THE PROSECUTION: Ma'am, the United States

17 moves to admit what has been marked as Prosecution

18 Exhibit 40 for identification. This is Prosecution

19 Exhibit 40.

20   MR. HURLEY: No objection.

21   THE COURT: All right. Prosecution Exhibit

1 40 for identification is admitted.

2   THE PROSECUTION: Ma'am Prosecution Exhibit

3 78 stipulation of expected testimony Special Agent Mark

4 Mander 9 June 2013.

5   (Whereupon, Prosecution Exhibit 78,

6 stipulated testimony of Special Agent Mark Mander, was

7 read into the record.)

8   THE PROSECUTION: Prosecution Exhibit 92

9 for identification is the SD card, item 2 of DN162-10.

10   Your Honor, United States moves to admit as

11 evidence Prosecution Exhibit 92 for identification as

12 Prosecution Exhibit 92.

13   THE DEFENSE: No objection.

14   THE COURT: May I see it, please.

15   THE PROSECUTION: Your Honor, may I have a

16 moment?

17   Your Honor, may we actually mark this

18 during the next recess?

19   THE COURT: Yes.

20   Prosecution Exhibit 92?

21   THE PROSECUTION: Yes, ma'am.

```
 1              We're ready to call the next witness.

 2              THE COURT:  Looking at the time, do you

 3   want to take a brief recess right now?

 4              THE PROSECUTION:  Yes, Your Honor.  Well,

 5   ma'am, we can but we're going to ask for another recess

 6   after this next recess to reset the evidence.

 7              THE COURT:  Is this witness going to be

 8   very long.

 9              THE PROSECUTION:  No, this is the

10   examination of the SD card.

11              Then Special Agent Shaver is being called

12   but (INAUDIBLE) we need a recess.

13              THE COURT:  And you would like a recess now

14   anyway?

15              THE DEFENSE:  Actually, if it's just the SD

16   card, once they put the witness on the stand, we would

17   stipulate to the SD card and its contents.  So if that

18   would speed up the government's (INAUDIBLE).

19              THE PROSECUTION:  The contents are

20   important, Your Honor, so are the dates of the creation

21   of the files.
```

1   THE COURT: Go ahead and call your witness.

2   THE PROSECUTION: United States calls

3 Special Agent David Shaver.

4   THE COURT: Mr. Coombs, tell me one more

5 time what the defense is going to stipulate to?

6   MR. COOMBS: We would stipulate to the

7 contents of the SD card. So if Agent Shaver is being

8 called to say what was on the SD card, we would

9 stipulate that as accurate.

10   THE COURT: Go ahead and call the witness.

11   Mr. Shaver, you're reminded you're still

12 under oath.

13 Whereupon,

14   DAVID SHAVER,

15 called as a witness, having been previously duly sworn

16 to tell the truth, the whole truth, and nothing but the

17 truth, was examined and testified as follows:

18   REDIRECT EXAMINATION BY THE PROSECUTION:

19   Q   Agent Shaver, do you recall examining a SD

20 card at (INAUDIBLE)?

21   A   Yes.

1   Q   Who requested that?

2   A   One of the agents did.

3   Q   Did you examine the actual SD card itself

4   or an image of the SD card?

5   A   Sir, I checked out the evidence from the

6   evidence room, created a forensic image, verified the

7   forensic image and checked the evidence back in. I

8   worked off the image file.

9   Q   Agent Shaver, what did you find in the

10 unallocated space on the SD card?

11   A   I found several pictures, partial movies

12 and text files.

13   Q   What were the text files?

14   A   They were pertaining to the CIDNE documents

15 and the SigActs.

16   Q   And what was found in the allocated space

17 on the card?

18   A   Sir, there was one file, yadda dot star dot

19 bz2 dot NC.

20   Q   Where was this found on the SD card?

21   A   There was a folder called DCIM.

1   Q   What is a DCIM?

2   A   Sir, that's a standard folder that's

3 created by digital cameras.

4   Q   What is it used for?

5   A   It is for organization of photos.

6   Q   I'm going to show you what's been marked as

7 Prosecution Exhibit 105 for identification.

8 (INAUDIBLE).

9   I hand the witness what's been marked as

10 Prosecution Exhibit 105 for identification.

11   Do you recognize that?

12   A   Yes, sir; I do.

13   Q   What is it?

14   A   Sir, it's a screenshot I created of the

15 file yadda dot tar dot bz2 dot NC and the creation

16 date.

17   Q   How do you create a screenshot?

18   A   Sir, this is actually a screenshot of

19 EnCase forensic program.

20   MR. FEIN: Permission to publish, Your

21 Honor?

 1   THE COURT: Go ahead. What is that noise?

 2   MR. FEIN: Ma'am, it's the projector

 3   turning on and off.

 4   Q   Agent Shaver, can you identify on the

 5   screenshot the file you're referring to?

 6   A   It's the file in the middle.

 7   Q   And just let's go through the file itself.

 8   What does the MC on the end of that file

 9   mean?

10   A   Sir, that's, it's a default standard file

11   naming for a file which has been encrypted using the M

12   crypt software.

13   Q   What does M crypt stand for?

14   A   That's an open source utility to encrypt

15   files.

16   Q   And when you say encrypted, how would you

17   open this file?

18   A   You needed a password.

19   Q   And were you able to open this file?

20   A   Yes, sir; I was.

21   Q   What password did you use?

```
 1        A       Sir, I used a password PFC Manning provided

 2   to Mr. Lamo in the chats.

 3        Q       And what date was this file created?

 4        A       January 30th, 2010.

 5        Q       And how do you know that?

 6        A       Because that's what the date is shown here,

 7   sir.

 8        Q       What date are you referring to?

 9        A       The file created date, sir.

10        Q       And when you opened this file, what was

11   contained within?

12        A       Sir, there were four files contained

13   therein.

14        Q       I'm handing Prosecution Exhibit 105 for

15   identification back to the court reporter, and

16   retrieving Prosecution Exhibit 50 for identification.

17                I'm handing you what's been marked as

18   Prosecution Exhibit 50 for identification.

19                Do you recognize that?

20        A       Yes, sir; I do.

21        Q       What is it?
```

```
 1       A       It's a screenshot I've created of the
 2  contents of the file.  It shows the file, the four
 3  files contained therein and the last written date.
 4       Q       And how is that created?
 5       A       Sir, it's a screenshot of the EnCase
 6  forensic software.
 7       Q       Permission to publish?
 8               THE COURT:  Go ahead.
 9       Q       We don't need to necessarily go through,
10  well, actually let's briefly go through the top file.
11  AFG underscore (INAUDIBLE) what was contained in that?
12       A       Sir, that was approximately 91,000 complete
13  SigActs pertaining to the Afghan theater.
14       Q       And what date was that file created?
15       A       Sir, that was, like I say, the file --
16  because the file was encrypted and the files were
17  zipped up, the actual creation date was lost, but the
18  last written date remains.
19       Q       What does the last written date tell you?
20       A       That's the last time the file was written
21  to or updated.  That date would be January 8th, 2010.
```

1   Q   Again, go down to the next file. IRQ

2 underscore events dot (INAUDIBLE) what was in that

3 file?

4   A   Sir, approximately 390,000 complete SigActs

5 pertaining to, from CIDNE database pertaining to the

6 Iraq theater.

7   Q   What date was that last, that file last

8 written?

9   A   It was January 5th, 2010.

10   Q   And finally, the file README.txt, what was

11 contained in that file?

12   A   Sir, that was kind -- just a text file

13 contained some information about the two CSU files.

14   Q   What about that last file?

15   A   Sir, that's a temporary file. It was

16 written by, created by the MacIntosh operating system.

17 No important information in there except it shows that

18 MacIntosh was used to create it.

19   Q   When was the README.txt file last written?

20   A   Last written January 9th, 2010.

21   Q   I'm handing Prosecution Exhibit 50 for

```
 1   identification to the court reporter.

 2              THE COURT:  Before you do that, I didn't

 3   catch the number for the first file.

 4              THE WITNESS:  Afghan?

 5              THE COURT:  Whatever the first file was.

 6              THE WITNESS:  Approximately 91,000.

 7              THE COURT:  Thank you.

 8   BY THE PROSECUTION:

 9      Q      I'm showing Prosecution Exhibit 42 for

10   identification.

11              I'm handing the witness what's been marked

12   as Prosecution Exhibit 42 for identification.  Agent

13   Shaver, do you (INAUDIBLE) what it is?

14      A      That is the README.txt file.

15      Q      Generally (INAUDIBLE), what does the text

16   file describe?

17      A      It describes the files, the CIDNE

18   documents.  The Iraq and Afghanistan significant

19   activities, SigActs.

20              THE PROSECUTION:  Permission to publish the

21   report, Your Honor?
```

```
 1              THE COURT:  Yes.

 2      Q       Is that an accurate representation of the

 3  file you just looked at?

 4      A       Yes, sir.

 5              THE PROSECUTION:  Your Honor, the

 6  Prosecution moves to admit Prosecution Exhibit 42 into

 7  evidence.

 8              THE DEFENSE:  No objection.

 9              THE COURT:  Prosecution Exhibit 42 is

10  admitted.

11              THE PROSECUTION:  Thank you, Agent Shaver.

12              THE COURT:  Cross-examination?

13              THE DEFENSE:  (INAUDIBLE).

14              RECROSS-EXAMINATION BY THE DEFENSE:

15      Q       Good afternoon, Agent Shaver?

16      A       Good afternoon, sir.

17      Q       Agent Shaver, I want to talk first about --

18  you talked about the contents of the SD card and you

19  were talking about the file written or the file created

20  date?

21      A       Correct.
```

```
 1        Q        And I believe you said the Afghan war

 2   diary, that was written on 8 January?

 3        A        I would have to see that document again to

 4   be sure, but.

 5        Q        Okay.

 6                 THE DEFENSE:  Can I retrieve Prosecution

 7   Exhibit 50?

 8                 THE COURT:  It's still 50 for

 9   identification.

10                 THE DEFENSE:  50 for identification.  Thank

11   you, ma'am.

12                 Permission to publish this, Your Honor.

13                 THE COURT:  Yes.

14   BY THE DEFENSE:

15        Q        Agent Shaver, we have got the Afghan events

16   dot CSC file and last date written 8 January?

17        A        Correct.

18        Q        Would you agree with me that date could be

19   associated with when that file was placed on the SD

20   card?

21        A        No.  Maybe.  I'm sorry, sir, I don't --
```

1 (INAUDIBLE) it was contained within a zip file.

2   Q   Okay. Is it possible that that, that the

3 last written date changed when the file was put on the

4 zip, on the SD card?

5   A   Could, yes, sir.

6   Q   So it doesn't necessarily mean that that's

7 the last time the file was added to or changed the

8 substance of that document?

9   A   It's possible; yes, sir.

10   Q   And the same would of course then be true

11 for the others?

12   A   The others.

13   THE DEFENSE: Returning Prosecution Exhibit

14 50 for identification.

15   Q   Now, those files were in a zip file,

16 correct?

17   A   Yes, sir.

18   Q   And that was, that had a password?

19   A   Yes, sir.

20   Q   And it was encrypted.

21   And you testified that you received the

1 password or you got access to the password through the

2 chats?

3   A   Right.

4   Q   Between PFC Manning and Mr. Lamo; is that

5 correct?

6   A   Uh-huh. Yes, sir.

7   Q   Now, the password that was discussed in

8 those chats was actually for PFC Manning's AKO account,

9 wasn't it?

10   A   I believe so, yes.

11   Q   So it was just kind of luck that that

12 password also opened this file?

13   A   It is what it is, sir. It's the same

14 password.

15   Q   Okay. Fair enough. It wasn't in the chat,

16 it wasn't identified as, hey, here's the password for

17 this encrypted file?

18   A   Yes, sir; you're correct.

19   Q   It was identified as here's the password

20 for my AKO account?

21   A   Correct.

1   Q   Okay.

2   Now, once you, you use that password to get

3   into the encrypted file and you got those CSV files,

4   what did you do with those?

5   A   I extracted them and I provided them to the

6   case agent.

7   Q   When you extracted them, what did you put

8   them in? What program did you use?

9   A   I extracted them and gave them as is, I

10 didn't, you can open with Excel.

11   Q   Okay. So you can open those with an Excel

12 document and you gave those to the case agent.

13   I'd like to retrieve what's been marked as

14 Defense Exhibit Echo for identification.

15   And Agent Shaver, I'll ask you to move over

16 here to the panel box.

17   I'm handing betweens Exhibit Echo for

18 identification to the witness.

19   Agent Shaver, please look at that document.

20   What is that?

21   A   Sir, this is a SigAct.

1   Q   How do you know that?

2   A   Sir, I created this. I extracted the

3   SigAct from the CIDNE, one of these files, I'm sorry, I

4   forget the file name.

5   Q   Was it from the Iraq events?

6   A   Yes, sir.

7   Q   How did you go about creating that file?

8   A   Sir, I copied -- each line of the CSV is a

9   complete SigAct. I highlighted a specific line, copied

10 it. I put it into notepad which I removed all

11 formatting. I then recopied it from notepad into

12 Microsoft Word. Printed this and initialed it.

13   THE DEFENSE: Can I have a moment, Your

14 Honor?

15   THE COURT: Yes.

16   (Pause.)

17 BY THE DEFENSE:

18   Q   Agent Shaver, what's the date on that

19 SigAct?

20   A   30 December 2009. Am I reading the right

21 place?

```
 1              THE DEFENSE:  Permission to approach?

 2              THE COURT:  Yes.

 3      Q       Agent Shaver, what's the date on that?

 4      A       Sorry, December 24, 2009.

 5      Q       Okay.  And without answering in a

 6   classified manner, what's the general, what sort of

 7   incident does that report?

 8      A       Appears IEDs explosion.

 9              THE DEFENSE:  I'm going to retrieve Defense

10   Exhibit Echo for identification and offer it as Defense

11   Exhibit Echo.

12              THE COURT:  All right.  Yes?

13              THE PROSECUTION:  No objection, Your Honor.

14              THE COURT:  Okay.  Getting late in the day.

15              I think I will need that recess.

16              Defense Exhibit Echo for identification is

17   admitted.

18              THE DEFENSE:  Agent Shaver, thank you.

19   That's all the questions I have.

20              THE COURT:  Redirect?

21              THE PROSECUTION:  Yes, Your Honor.
```

1   REDIRECT EXAMINATION BY MR. MORROW:

2   Q   Agent Shaver, I'm going to ask you, without

3   pulling out Defense Exhibit Echo again -- if you would

4   move back to the witness stand, please -- when you read

5   that SigAct, was any information redacted?

6   A   No.

7   Q   So the units were identified?

8   A   Yes.

9   MR. HURLEY: Objection. Leading.

10   THE COURT: Overruled.

11   Q   Was any information redacted?

12   A   No, sir.

13   Q   Was any information replaced by markers?

14   A   I did not see any.

15   MR. MORROW: No further questions.

16   MR. HURLEY: None, ma'am.

17   THE COURT: All right. Temporary excusal?

18   MR. FEIN: Yes, ma'am.

19   THE COURT: Once again, you are temporarily

20   excused. Same rules apply as before.

21   THE WITNESS: Yes, ma'am.

```
 1              MR. FEIN:  The United States asks for a

 2   recess.

 3              THE COURT:  The court is in recess until

 4   15:35, 3:35.

 5              (Court in recess.)

 6              THE COURT:  Court is called to order.

 7              Can you account for the parties?

 8              MR. FEIN:  All parties are in the court at

 9   last recess with the exception of Captain von Elten.

10              THE COURT:  Is the government ready to

11   proceed?

12              THE PROSECUTION:  Government calls Special

13   Agent Shaver.

14              REDIRECT EXAMINATION BY THE PROSECUTION:

15      Q      I just want to remind you you're still

16   under oath.

17              Agent Shaver, I'd like to discuss your

18   examination of a couple of SIPRNET computers.  The

19   first, what were the IP addresses of the SIPRNET

20   computers you examined in this case?

21      A      I examined several but primarily two, dot
```

```
 1   22 and dot 40.
 2        Q       When you say dot 22 what are you referring
 3   to?
 4        A       The IP address, the internet protocol
 5   address.
 6        Q       What was your process for examining this
 7   computer?
 8        A       The process was to verify the hash values
 9   and make sure it was an accurate image.  And then start
10   conducting examination to see what's there.  Search
11   both the allocated and unallocated spaces.
12        Q       Did you verify the hash values?
13        A       Yes, I did.
14        Q       Now, with respect to the dot 22 computer,
15   what did you look for first, what were you looking for
16   first?
17        A       I was looking to see what files were
18   present.  First off, was there a Bradley dot Manning
19   user profile.
20        Q       Did you find one?
21        A       Yes.
```

1   Q   What do you mean by what files were

2 present?

3   A   I wanted to see what files were present

4 within the user profile. Again at this time I hadn't

5 been given the chat log so I was looking at things

6 concerning the Department of State and things like

7 that.

8   Q   And when you say present, are you referring

9 to allocated files?

10   A   Yes, sir; I am.

11   Q   And now, what kind of web browser was under

12 PFC Manning's profile?

13   A   There were two.

14   Q   What were the two?

15   A   Internet Explorer and Firefox.

16   Q   What was the configuration of the Internet

17 Explorer web browser?

18   A   There was a standard Army build where the

19 user can surf the web but could not clear the internet

20 history.

21   Q   And where does a computer keep internet

```
 1   history?

 2        A       For Internet Explorer it keeps it in a user

 3   profile called index dot dat file.

 4        Q       What does that file contain?

 5        A       Times and dates, files accessed either

 6   locally or remotely and IPs address.

 7        Q       You said files accessed.  What do you mean

 8   by that?  Describe how the computer would log some

 9   action on the computer in the -- or action by the user

10   in the index dot dat file?

11        A       If it went to a web page, it would log it

12   as a web page.  If he went to CNN.com, it would be

13   there.  If he double clicked on a Word document that

14   would be there as well.

15        Q       You said this computer had a Firefox web

16   browser?

17        A       Yes.

18        Q       How that was configured (INAUDIBLE)?

19        A       That was configured to run in privacy

20   browsing mode wherein no user history would be

21   maintained.
```

```
 1      Q       And what was the home page of the Firefox
 2  web browser?
 3      A       Intelink.
 4      Q       Now, you were looking for the files that
 5  were present on the computer.  Did you find any files
 6  that seemed to be odd or at least were pertinent to the
 7  investigation as you knew it at this point?
 8      A       Yes, sir.
 9      Q       What did you find?
10      A       Within the user profile Bradley dot Manning
11  there was a folder called blue and within there there
12  was files dot zip.  The files dot zip contained over
13  10,000 complete Department of State cables.
14      Q       So let's, we'll take each of those in turn.
15              I'm retrieving what's been marked as
16  Prosecution Exhibit 104 for identification.
17              I'm handing the witness what's been marked
18  as Prosecution Exhibit 104 for identification.
19      A       Yes, sir.
20      Q       Agent Shaver, do you recognize that?
21      A       Yes.
```

1   Q   What is it?

2   A   It's a screen shot I created of the folder

3 blue that contains deleted files and file creation

4 dates.

5   Q   And is the folder blue?

6   A   Yes.

7   Q   How would you create a screen shot?

8   A   This is a screen shot of then case program

9 which allows you to see the allocated and unallocated

10 deleted files.

11   THE PROSECUTION: Permission to publish?

12   THE COURT: Okay.

13 BY THE PROSECUTION:

14   Q   Agent Shaver, can you point out the files,

15 essentially the files that you just talked about

16 earlier? Let's start with backup dot XLSX.

17   A   Yes, sir.

18   Q   Generally, what was in that file?

19   A   Sir, that was a Excel spreadsheet with

20 three tabs. The tabs were 0310-0410, the next tab 0510

21 and the last one was WJ.

1   Q   And you also mentioned files dot zip?

2   A   Correct.

3   Q   What was in files dot zip?

4   A   Files dot zip contained, actually it was a

5 partially corrupted zip file that contained over 10,000

6 complete Department of State cables.

7   Q   And when you say partially corrupted, what

8 do you mean by that?

9   A   Something went wrong when this zip file was

10 created. I don't know what, but I can tell you a

11 normal user when they tried to view it, winzip would

12 give you the error, this file is corrupted you cannot

13 view it. Using the EnCase forensic software it still

14 allowed me to view the contents.

15   Q   And -- okay. What was the format of

16 Department of State cables in files dot zip?

17   A   HTML.

18   Q   What is HTML?

19   A   It's a web page.

20   Q   I will show you what's been marked as

21 Prosecution Exhibit 101 for identification.

1   I'm handing the witness what's been marked

2 as Prosecution Exhibit 101 for identification.

3   (Witness reading.)

4   A   Yes, sir.

5   Q   Agent Shaver, do you recognize that?

6   A   Yes, sir; I do.

7   Q   What is it?

8   A   It's the contents of the backup dot XLSX

9 file.

10   Q   What is XLSX?

11   A   That is Office Excel document.

12   THE PROSECUTION: Permission to publish

13 with the court, Your Honor?

14   THE COURT: Okay.

15 BY THE PROSECUTION:

16   Q   Agent Shaver, is this the top of the Excel

17 file or the bottom of the Excel spreadsheet?

18   A   It appears to be the bottom.

19   Q   Let's go through the tabs. You said

20 there's a (INAUDIBLE) tab. I see. 0310 and 0410, what

21 does that contain?

1   A   Those contain the Department of State

2 cables which had been published by the various

3 embassies throughout the world for the March and

4 April 2010 timeframe.

5   Q   What does the 5010 tab contain?

6   A   Similar files. They were Department of

7 State cables published by various embassies throughout

8 the world for May 2010.

9   Q   When you said Department of State cables,

10 was it the full cables?

11   A   Yes -- no, sir, these were, no, sir, they

12 were not.

13   Q   What did this spreadsheet --

14   A   Sure, the first left number was a tracking

15 number created by the user. The date and time, again,

16 of the file apparently when it was retrieved. The

17 embassy, the embassy's cable name and the embassy's

18 common name and the classification marking.

19   Q   I'm going to show you what's been marked as

20 Prosecution Exhibit 102 for identification.

21   Agent Shaver, do you recognize that

1   document?

2   A   Yes, sir; I do.

3   Q   What is it?

4   A   Again, this is a same backup XLSX file.

5   Q   And how is that document created?

6   A   This is a, just a screen shot, from Excel.

7   Q   What's the number on the top left?

8   A   The ID number, sir, is 251288.

9   Q   And I'm going to show --

10   THE PROSECUTION: Permission to publish,

11   Your Honor?

12   THE COURT: Go ahead.

13   BY THE PROSECUTION:

14   Q   What was the significance in this

15   investigation to 251288, the top left number?

16   A   The WikiLeaks had published 251,287

17   documents.

18   THE PROSECUTION: Your Honor, the

19   Prosecution moves to admit Prosecution Exhibit 102 into

20   evidence as Prosecution Exhibit 102.

21   THE DEFENSE: No objection.

```
 1              THE COURT:  All right.  Let me see it.
 2              Prosecution Exhibit 102 for identification
 3   is admitted.
 4   BY THE PROSECUTION:
 5      Q       Let's talk about the Wget worksheet.  I'm
 6   retrieving what's been marked as Prosecution Exhibit
 7   100 for identification.
 8              I'm handing Prosecution Exhibit 100 for
 9   identification to the witness.
10              (Witness reading.)
11      Q       Do you recognize that, sir?
12      A       Yes, I do.
13      Q       What is this?
14      A       It's a screen shot of the Wget tab within
15   the backup of the dot XLXS file.
16              THE PROSECUTION:  Permission to publish,
17   Your Honor?
18              THE COURT:  Go ahead.
19   BY THE PROSECUTION:
20      Q       Agent Shaver, can you just describe how
21   someone would use Wget or how this might be used in
```

1 conjunction with the program Wget?

2   A   Yes, sir. This spreadsheet, what this

3 shows here is the Wget command being operated. The

4 Wget-0 is the output file is the Department of State

5 name and further there's the address of the website and

6 what to get.

7   Q   What do you refer to when you said the web?

8   A   The MC state dot SD dot gov.

9   Q   NC state?

10   A   Yes, sir, NCD.

11   Q   Sorry. Keep going. So?

12   A   For barred slash message forward slash

13 reference and there would be the Department of State

14 cable itself.

15   Q   Now, how would you use Wget, how would you

16 use a message (INAUDIBLE) number to download cables

17 from the State Department?

18   A   That's how they're stored by message record

19 number. So that's how they would be stored. If you

20 would like to retrieve it, you would have to request it

21 by day.

```
 1              So in this case the first top line you can

 2    see that the file 10 cavara (phonetic) 1553, that cable

 3    is being downloaded.

 4         Q       Okay.  Now, where does Wget run from?

 5         A       From the command line.

 6         Q       Does it run from the server, the NCD server

 7    or from the computer?

 8         A       It's a local computer.  (INAUDIBLE) local

 9    computer.

10         Q       What other -- first I'm handing the

11    Prosecution Exhibits back to the court reporter.

12              What other Wget related information did you

13    find on this computer?

14         A       Within Windows prefetch files there showed

15    there was prefetch files where I captured Wget being

16    run from the Bradley dot user Manning profile on

17    several location.

18         Q       What are prefetch files?

19         A       Sir, that's a Microsoft Windows feature

20    whereas the Microsoft will cache parts of the

21    information about a program so the next time you run
```

1 it, it will run faster.

2   Q   Now, you said from different locations?

3   A   Yes, sir.

4   Q   What do you mean by that?

5   A   The prefetch files, part of, what it

6 captures, it also captures the path of the program.

7 Within the prefetch file there are several prefetch

8 files which are run from various locations within the

9 Bradley dot Manning user profile. So the Wget was

10 copied to various folders within and then run.

11   Q   Why would Wget not run from different

12 folders?

13   A   To capture the data faster.

14   Q   And when did Wget appear in PFC Manning's

15 user profile on the computer?

16   A   It first appeared in March 2007 or

17 March 7th, 2010.

18   Q   And but was that, did you find that in the

19 user profile?

20   A   No, sir. I found that through the

21 prefetch. The file Wget was present in the allocated

1   space in the W dot Manning user profile before

2   May 2010.

3   Q   What does the presence of Wget in the

4   prefetch file in early March tell you when the Wget

5   program was put on the computer in format?

6   A   It means it was, it was there prior, it was

7   obviously on the computer within again the Bradley dot

8   Manning user profile in March 2010 and it was

9   physically located, created in May 2010 so that means

10 the file was copied and placed there again.

11   Q   What other findings did you make regarding

12 the Department of State information?

13   A   Sir, within the Windows temp folder there

14 are two files, both have the CID (phonetic) security

15 identifier of the user profile Bradley dot Manning and

16 these two files each contain several hundred complete

17 Department of State cables. They were in a CSV format

18 but however they had been Base64 encoded.

19   Q   Let's start first, what is the Windows temp

20 folder?

21   A   That is a default folder for the Windows

1   operating system to write temporary files to.

2   Q   And you said CSV file, what is a CSV file?

3   A   Sir, that's common separated value.

4   Q   Why would someone use a CSV file?

5   A   That's to, the ease of moving data around.

6   CSV is a standard format for that.

7   Q   You also mentioned Base64?

8   A   Yes, sir.

9   Q   What is Base64?

10   A   That's a method of encoding. Encoding is,

11   it's a way of transposing data to make it easier to

12   move it. It compacts it, but it also makes it easier.

13   Q   Why would someone convert HTML to Base64

14   and embed it in CSV?

15   A   A CSV is a common separated value.

16   Department of State cables are sentences so they would

17   have commas, periods, things like that. So the comma

18   separated value file only works if you use commas in

19   the right location. If there's extra commas,

20   everything gets spread out. It doesn't line up and

21   work right. By encoding it with Base64 you alleviate

70

 1   that problem.

 2   So it's only the commas that you tell it to

 3   be there.

 4   Q   And did you search the -- this was, now I

 5   believe we have been talking about allocated space, but

 6   did you search the unallocated space for the Department

 7   of State information?

 8   A   Yes.

 9   Q   What did you find?

10   A   I found over 100,000 complete and partial

11   Department of State cables in the unallocated space.

12   Q   What do you mean by complete and partial?

13   A   134 were complete, had not been

14   overwritten. Other ones had partially been

15   overwritten, so part of the file existed but not the

16   complete file.

17   Q   I want to talk about the restore points on

18   the computer. First, what is a restore point?

19   A   Sir, restore point is a Microsoft concept

20   to make sure that your computer did not break.

21   Let's say you load a piece of software. It

 1 will create a restore point prior to installing the

 2 software so if there's a problem, you can go back in

 3 time and your computer will work again.

 4   If you plug a new hard drive in and it

 5 doesn't work and you activate the restore point and go

 6 back in time and it was like the hard drive was never

 7 actually installed so your computer continues working.

 8   Q   And what does your examination of the

 9 restore points tell you about the computer generally?

10   A   It would show things like, it would show

11 file names. Files that either did exist or had existed

12 at one time within the various user profiles.

13   Q   Did the restore points shed any light on

14 the date that the computer might have been imaged?

15   A   Yes, sir.

16   Q   Please explain.

17   A   The computer is approximately imaged in

18 early March 2010.

19   Q   And what, if a computer has been imaged in

20 March 2010, what does that mean to you as the forensic

21 examiner?

1   A   Since it had been reimaged, everything

2   really pertinent, all the allocated files prior to that

3   were now unallocated or overwritten.

4   Q   Agent Shaver, I want to talk about the

5   contents of the Farah folder we discussed earlier.

6   Did you find any documents related that

7   were contained from the Farah folder?

8   A   I found some deleted jpegs which are

9   graphic image files and PDF files.

10   Q   What about just evidence that the files had

11   been clicked on or something like that?

12   A   Yes, sir, within the index dot dat file

13   there are several hundred files named, naming

14   convention would suggest there was a fraud

15   investigation.

16   Q   What was the date of the activity on the

17   index dot dat file?

18   A   April 10, 2010.

19   Q   Is the index dot dat file, is it easy to

20   find as a regular user of the computer?

21   A   No, sir, that's a hidden file.

1   Q   At what point does the computer store the

2   index dot dat time?

3   A   It's a database. So to extract information

4   out you need a stool, another program to extract it to

5   make it easier to read for people.

6   Q   And in this case, what did you do with the

7   index dot dat file?

8   A   I extracted it and put it into Excel for

9   ease of review.

10   Q   When you extracted and put it into Excel

11   did you alter the information in any way?

12   A   No, sir, I did not.

13   Q   If you had printed the entire index dot dat

14   file in this Excel version, how long, how many printed

15   pages would that be?

16   A   A lot, sir. Several hundred probably.

17   Q   I'm retrieving what's been marked as

18   Prosecution Exhibit 128 for identification.

19   I'm handing the witness what's been marked

20   as Prosecution Exhibit 128 for identification.

21   Just take a few moments to look at it.

74

1   (Witness reading.)

2   Q   Do you recognize that document?

3   A   Yes, I do.

4   Q   What is it?

5   A   Sir, that is an Excel spreadsheet I

6   created. It's an extract summary of the index dot dat

7   pertaining to April 10th.

8   Q   And how did you create this summary of the

9   index dot dat?

10   A   Sir, I filtered on, filtered on April 2010.

11   THE PROSECUTION: And permission to publish

12   with the court, Your Honor?

13   THE COURT: Go ahead.

14   BY THE PROSECUTION:

15   Q   I'm going to publish just the last page of

16   the Exhibit. But Agent Shaver, I'm just publishing the

17   last page, but I'd like you to just describe what the

18   activity you observed in the index dot dat file on this

19   date is. What are you observing?

20   A   Sir, left to right we have obviously a line

21   item number, the next one is a date in military time,

 1 GMT3 hours. It's, it shows you visited. The Bradley

 2 dot Manning user profile, visit a file called, located

 3 in the documents and settings, Bradley dot Manning my

 4 documents downloads folder tab underscore D tab space D

 5 appendix --

 6   Q   Well let's make this shorter.

 7   Let's look at the last line of this line

 8 247.

 9   A   Yes, sir.

10   Q   Of the line that ends in Farah dot set?

11   A   Correct.

12   Q   Describe the activity observed from that

13 line and up leading to again Farah dot set.

14   A   Correct. Sir, apparently some files were,

15 it shows three files. Three PDF files were visited at

16 1659 hours and at 1705 a file called Farah dot zip was

17 visited by the Bradley dot Manning user profile is in

18 the downloads folder and so are the other documents.

19   Q   Now, if you look at the entire Exhibit 128

20 for identification in conjunction, I mean, if you flip

21 through every page, what does the activity show you,

1 what does the index dot dat capture?

2   A   It's capturing a user account Bradley dot

3 Manning first visiting a website non-REL dot CENTCOM

4 dot smil dot mil. Then shortly there later a lot of

5 files locally on the computer.

6   Q   How can you tell that they're locally on

7 the computer?

8   A   Again, sir, the file, if it's local it

9 would be user name at file. If it was a web page, it

10 would be user name at http, that means 4:05.

11   THE PROSECUTION: Your Honor, at this time

12 Prosection is moving to admit Prosecution Exhibit 128

13 into evidence.

14   THE DEFENSE: No objection, Your Honor.

15   THE COURT: Prosecution Exhibit 128 is

16 admitted.

17 BY THE PROSECUTION:

18   Q   Now, if I could, I'd like to retrieve

19 Prosecution Exhibit 128.

20   Agent Shaver, in this time period 10

21 April 2010, if you would just look, we talked about a

1   BE22PAX.zip earlier. Do you remember that?

2   A   Yes, sir.

3   Q   Do you see any videos locally on the

4   computer at this time?

5   A   No, sir.

6   Q   Did you look for BE22PAX.zip?

7   A   I have previously. Yes, sir. It is not

8   there.

9   Q   Now, Agent Shaver, I want to transition

10 from logs collected from the CENTCOM SharePoint server.

11 Did you examine logs from that server?

12   A   Yes, sir, I did.

13   Q   When was the first date captured by the

14 CENTCOM SharePoint SharePoint logs?

15   A   1 December 2009.

16   Q   So you didn't have anything prior to 1

17 December 2009?

18   A   No, sir.

19   Q   Now, what type of information was captured

20 in the CENTCOM SharePoint SharePoint log?

21   A   These are the Microsoft SharePoint logs.

```
 1   They're standard Windows logs.  They capture a local IP

 2   address making a request, date and time, and the

 3   activity, the file requested.

 4        Q       Now, when you say a local IP address, what

 5   do you mean?

 6        A       Sir, these logs have been configured to

 7   capture local IP -- (INAUDIBLE) -- so if a dot 22 or

 8   dot 40 connected that would not show up to the

 9   computer.  It would be a local IP to the network.

10        Q       When you reviewed the CENTCOM SharePoint

11   logs, did you observe any activity on 10 April 2010 in

12   those logs?

13        A       I did, sir.

14        Q       What did you observe in the logs?

15        A       There was a large download of files.

16                THE PROSECUTION:  I'm retrieving what's

17   been marked as Prosecution Exhibit 129 for

18   identification.

19                I'm handing the witness what's been marked

20   as Prosecution Exhibit 129 for identification into

21   evidence.
```

```
 1   BY THE PROSECUTION:

 2       Q       Take a few moments.

 3               (Witness reading.)

 4       Q       Do you recognize that document?

 5       A       Yes, sir.

 6       Q       What is it?

 7       A       This is a Excel spreadsheet I created from

 8   the CENTCOM logs pertaining to the downloads on 10

 9   April 2010.

10       Q       And approximately how many lines of

11   activity are in this document?

12       A       Sir, there are 334 lines.

13               THE PROSECUTION:  I'm retrieving the

14   exhibit from the witness.

15               Your Honor, permission to publish?

16               THE COURT:  Go ahead.

17   BY THE PROSECUTION:

18       Q       Agent Shaver, I'm just showing the last

19   page of the exhibit.  Can you describe the activity

20   from left to right?

21       A       From left to right, the number on the left
```

1   is the line item number, the date and time. The server

2   IP. And the action, the action, the download files

3   downloaded.

4   Q   You reviewed all the activity in the

5   CENTCOM SharePoint logs on 10 April; is that correct?

6   A   Yes, sir.

7   Q   I'll hand you back Prosecution Exhibit 129

8   for identification.

9   If you would, just please review or if you

10 recall from memory, were any videos downloaded from the

11 CENTCOM Sharepoint Server at this time?

12   A   No, sir, not at this point.

13   Q   How do you know that?

14   A   Sir, I searched for them.

15   Q   What were you using to search?

16   A   The BE22.zip, they were stored on the file

17 as a zip file not as a movie zip.

18   THE PROSECUTION: Your Honor, at this time

19 prosecution moves to admit Prosecution Exhibit 129 for

20 identification into evidence.

21   THE DEFENSE: No objection, ma'am.

1   THE COURT: Prosecution Exhibit 129 for

2   identification is admitted.

3   BY THE PROSECUTION:

4   Q   Agent Shaver, you said earlier that you

5   recovered or found numerous J pegs in the unallocated

6   space?

7   A   Yes.

8   Q   What is that?

9   A   It's a graphic image file, picture.

10   Q   Do you have to use any special tool to find

11   a J peg?

12   A   Yes, sir.

13   Q   What do you use?

14   A   We use EnCase to search for these things.

15   Q   When you were searching the unallocated

16   space, did you find any video files in the unallocated

17   space?

18   A   No.

19   Q   Did you find any video files in the

20   allocated space?

21   A   Yes, sir.

1   Q   What did you find?

2   A   I found several movies, two of which were

3 dealing with the collateral murder.

4   Q   Did you find any of the videos that were

5 located on the CENTCOM Sharepoint Server?

6   A   No, sir, I did not.

7   Q   Did you find any of the videos located on

8 the CENTCOM Sharepoint Server in the unallocated space?

9   A   No, sir; I did not.

10   Q   Agent Shaver, I'd like to transition to the

11 other SIPRNET computer. What was the IP address on

12 that computer?

13   A   Dot 40, sir.

14   Q   What was your process for the examination

15 of this computer?

16   A   Sir, I verified the hash values matched and

17 I conducted my examination to answer the questions.

18   Q   Were you working off an image?

19   A   Yes, sir, I was working off an image.

20   Q   What was the configuration of the computer?

21   A   Sir, it was a Windows computer. It was a

1 United States Army computer. It was on a domain.

2 There was a Bradley dot Manning user profile present.

3   Q   And did this computer have CD burning

4 tools?

5   A   Yes, sir; it did.

6   Q   I didn't ask that question before, but did

7 the dot 22 computer have CD burning tools?

8   A   Yes, sir.

9   Q   What was the CD burning tool?

10   A   Roxio.

11   Q   What is Roxio?

12   A   Sir, that is a CD burning utility, just a

13 program to burn CDs.

14   Q   What happens when you burn a disk using

15 Roxio? How does the Roxio program name a disk?

16   A   Sir, by default it names it by a date time

17 group. So by default it's two-digit year, two-digit

18 month and day, underscore, two-digit hour, two-digit

19 minute.

20   Q   And that's the default setting?

21   A   Yes, sir.

1   Q   Now, how do you know that that's the

2   default setting for the way a Roxio names a disk?

3   A   On these computers, sir, I converted dot 22

4   into a virtual machine and then I logged in and then I

5   burned a disk and then I examined the naming structure

6   of the disk.

7   Q   And again, just this was from a long time

8   ago, but what is a virtual machine?

9   A   Sir, a virtual machine is just another

10 computer running virtually within a host computer. So

11 if I'm running a windows computer as a host, I can run

12 a Linux or MacIntosh computer as a guest.

13   Q   So you burned a CD using Roxio through a

14 virtual machine?

15   A   Yes, sir.

16   Q   And on the dot 40 computer, what were you

17 looking for?

18   A   Sir, I was looking for any of the similar

19 items I found on the dot 22. Were there any Department

20 of State cables and things, documents along those

21 lines.

1   Q   And what did you find?

2   A   Sir, within the unallocated space I found a

3   CSV file that contained over 100,000 complete

4   Department of State cables in Base64 format.

5   Q   And you said this was in the unallocated

6   site?

7   A   Yes, sir.

8   Q   And what does Base64 look like to the human

9   eye?

10   A   Gibberish. A through F, (INAUDIBLE) so.

11   Q   And these are full cables?

12   A   Yes.

13   Q   Now, by just looking at the Base64, were

14   you able to tell what the original form of the file

15   was?

16   A   No, sir. I could, I was able to decode

17   them from Base64 back to record text and view the

18   contents, but the original source at this point I could

19   not tell.

20   Q   And how would someone convert let's say

21   we're talking about a web page HTML, how would someone

1 convert a web page to Base64?

2   A   Because of the sheer volume of them all, I

3 believe a script was used. A script would be an

4 automated step program, small program.

5   Q   Did you find a script on this computer, on

6 the dot 20 computer that would convert HTML to a

7 Base64?

8   A   No, sir, I did not.

9   Q   Based on your examination of both

10 computers, the dot 22 and dot 40 did one appear to be

11 used more often by PFC Manning?

12   A   Yes, sir. The dot 22 appeared to have more

13 activity.

14   THE PROSECUTION: One moment, Your Honor.

15   No further questions, Your Honor.

16   THE COURT: Cross-examination?

17   CROSS-EXAMINATION BY MR. HURLEY:

18   Q   Agent Shaver, good afternoon again.

19   A   Good afternoon, sir.

20   Q   Agent Shaver, I'd like to talk first about

21 Wget. You spoke about Wget on direct examination?

1   A   Yes, sir.

2   Q   Let's talk about it some more.

3   A   Sure.

4   Q   Now, you would agree with me that Wget does

5   not give a user access to information that they

6   otherwise wouldn't have access to, correct?

7   A   Correct.

8   Q   So if a user ever uses Wget on the, this CD

9   database, for example, using Wget isn't going to allow

10 that user to grab something they normally wouldn't be

11 able to see?

12   A   You are correct.

13   Q   And it wouldn't, Wget wouldn't allow the

14 user to circumvent any sort of restrictions that the

15 NCD may place on the user?

16   A   Correct.

17   Q   So you would agree with me that Wget

18 doesn't give a user any more access than they would

19 have normally?

20   A   Correct.

21   Q   Now, you spoke about your examination on

```
 1   the 22 machine and the 40 machine and you did a

 2   complete scrub of those machines, correct?

 3        A       No, sir.

 4        Q       You spoke about some of the machines you

 5   were looking for.  You were also looking for what's

 6   known as the WikiLeaks most wanted list, correct?

 7        A       Yes, sir.

 8        Q       Something that when you were going through

 9   both the 22 and the 40 machine, that's something you

10   were looking for?

11        A       Yes, sir.

12        Q       And let's talk about the 22 machine first.

13   As you went over that bite by bite and bit by bit you

14   never found any evidence that PFC Manning had seen

15   that, correct?

16        A       Sir, I apologize, I don't remember exactly

17   what was on the entire list.  Do you have that --

18        Q       I guess let me clarify, I'm sorry.

19                The actual list itself?

20        A       Right.  Oh, no, sir; I did not see the

21   list.
```

 1   Q   So there was no evidence that on the 22

 2 machine a user had viewed that list?

 3   A   Correct.

 4   Q   No evidence that a user ever had saved that

 5 list?

 6   A   No, sir.

 7   Q   Or printed it?

 8   A   Yes, sir.

 9   Q   Or done anything with it?

10   A   Correct.

11   Q   And the same would be true for the 40

12 machine as well, correct?

13   A   Yes, sir.

14   Q   And the same would be true, we have heard

15 testimony about a number of 2008 from WikiLeaks, you

16 would agree there's no forensic evidence that on the 22

17 machine that a user of that machine saw any tweets from

18 WikiLeaks?

19   A   There should not have been since it's

20 SIPRNET and all --

21   Q   Likewise, the 40 machine?

```
 1        A        Correct.

 2        Q        No evidence of viewing any tweets?

 3        A        Correct, sir.

 4        Q        I want to talk about the Farah issue you

 5   testified about at length on direct.

 6                 You mentioned that you saw some references

 7   to the Farah video in index dot dat file, correct?

 8        A        No, sir.

 9        Q        What did you say about the index dot dat

10   registry in Farah?

11        A        The Farah folder.

12        Q        Okay.

13        A        I did not see anything pertaining to the

14   BE22PAX.zip files.

15        Q        Okay.  In the index dot dat there was

16   evidence that the user of the 22 machine had viewed

17   things related to Farah?

18        A        Yes, sir.

19        Q        Correct.  Okay.

20                 And have you ever viewed jpegs?

21        A        Yes, sir.
```

```
 1       Q        PDFs?

 2       A        Yes, sir.

 3       Q        PowerPoints?

 4       A        Yes, sir.

 5       Q        But there were no files you would associate

 6   with videos?

 7       A        Correct.

 8       Q        That was on 10 April?

 9       A        Yes, sir.

10       Q        And there was no other evidence on the 22

11   machine of viewing things or using things related to

12   Farah, correct?

13       A        Correct.

14       Q        So only on 10 April, right?

15       A        Yes, sir.

16       Q        And --

17       A        Sorry, sir, but there's --

18       Q        Okay, in the Farah folder?

19       A        Correct.

20       Q        Okay.

21                Now, you also talked about CENTCOM server
```

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1 logs and a number of downloads and those downloads are

2 on 10 April as well, correct?

3   A   Yes, sir.

4   Q   And those again were PDFs?

5   A   Yes, sir.

6   Q   Jpegs?

7   A   Yes.

8   Q   PowerPoints?

9   A   Yes, sir.

10   Q   Not videos?

11   A   Correct.

12   Q   Now, when you looked at the CENTCOM logs,

13 you also looked at -- you had the ability to look and

14 see how many times those zip files, those video zip

15 files had been viewed, correct?

16   A   Correct.

17   Q   There were three zip files on the CENTCOM

18 server?

19   A   Right.

20   Q   One of them was BE22PAX.zip; is that right?

21   A   Yes, sir.

1   Q   One of them was BE22STD1.zip?

2   A   Sir --

3   Q   Does that sound familiar?

4   A   It does sound familiar.

5   Q   And BE22 strike 2 dot zip?

6   A   That sounds right.

7   Q   Agent Shaver, when you were doing your

8 examination, were you able to determine how large those

9 files were?

10   A   As I recall, sir, I'm sorry I don't know

11 exact numbers, but about 32 megs apiece.

12   Q   So each individual file was around 30 megs?

13   A   Correct.

14   Q   Cumulatively around 90 megs?

15   THE COURT: What is a meg?

16   Q   Would you please --

17   A   It's a file size, megabyte.

18   THE COURT: Okay.

19   Q   Thank you, Agent Shaver.

20   Now, you found two instances, if you could,

21 again, just remind us how sort of the timeframe for

```
 1   those CENTCOM server logs.  When did those --

 2        A      1 December.

 3        Q      1 December and?

 4        A      I believe they ended in July 2010.

 5        Q      So from 1 December to July 2010 you agree

 6   with me when you reviewed those logs there were only

 7   two instances of those files, those zip files being

 8   viewed?

 9        A      Yes, sir.

10        Q      Okay.  One of those was on 28 January 2010?

11        A      Yes, sir.

12        Q      And one of them was on 23 February, 2010?

13        A      Correct.

14        Q      And you have the ability through those logs

15   to determine the IP address of the person requesting or

16   the computer requesting, correct?

17        A      No, sir.

18        Q      No.  Okay.

19               So you weren't able to determine who or

20   what computer actually viewed those?

21        A      Correct.
```

 1   Q   Now, I want to talk, again, about or

 2 continue talking about I guess we'll transition back to

 3 the 22 machine.

 4   A   Okay.

 5   Q   And I want to talk to you about the

 6 unallocated space there. Or maybe not dealing with

 7 unallocated space. We'll talk about the 22 machine

 8 generally.

 9   You would agree with me that there was a

10 file path that you could see on the 22 machine that

11 was, that showed the user of the 22 machine accessing

12 the T-drive. There were instances where you could

13 see --

14   A   Yes, sir.

15   Q   -- that user accessing the T-drive. And

16 you found an instance where there was a file path T

17 colon forward slash BDE, brigade, forward slash special

18 staff, forward slash (INAUDIBLE), forward slash TACP,

19 forward slash training, complete by 20 December 2009?

20   A   Correct.

21   Q   And you and -- okay.

1   So that was on, that file path you found

2   the 22 machine accessing that on 17 April, correct?

3   A   That sounds right, sir.

4   Q   Okay. And inside that folder you would

5   agree with me there was a file called TGT1 dot WMV?

6   A   Correct.

7   Q   Could you explain for the court what WMV

8   file is generally?

9   A   Generally a movie file.

10   Q   Could you tell if that particular file GTT1

11 was a movie file?

12   A   Just based off the name.

13   Q   And the extension?

14   A   It appear to be based off of the extension.

15   Q   Were you actually able to view that file?

16   A   No, sir.

17   Q   But based on the extension, you would

18 associate that with some sort of video?

19   A   Correct.

20   Q   Okay. Now, you would agree with me that

21 the forensic of the 22 machine show that TGT1 dot WMV

1 file in two locations on the 22 machine?

2   A   Correct.

3   Q   One of those locations was in the documents

4 and settings on C drive, documents and settings,

5 Bradley dot Manning, my documents and then forward

6 slash Farah, forward slash Farah?

7   A   Correct.

8   Q   And that was the same file, TGT1.wmv?

9   A   Appears to be, yes.

10   Q   Then the other location where you found

11 that file was in, again the C drive documents and

12 settings again Bradley dot Manning my documents forward

13 slash yadda, forward slash Farah?

14   A   Correct.

15   Q   Again, that was TGT1.wmv?

16   A   Yes, sir.

17   Q   A file normally associated with a video?

18   A   Correct.

19   Q   You agree with me that the 22 machine, it

20 would appear took this file off of the T-drive, the

21 shared drive of the user would have had access to and

1   moved it to two folders on that user's computer that

2   were called Farah?

3   A   Appears so.

4   Q   I want to go back to the actual file path.

5   You would agree with me that on the T-drive, that long

6   file path that we have here brigade special staff et

7   cetera, the last portion of that is forward slash

8   Farah?

9   A   Correct.

10   Q   So the 22 machine, we could even say the

11 user Bradley dot Manning, accessed the shared drive,

12 accessed the shared drive with, called Farah, at least

13 in part, there was a movie file in there, would you

14 agree with that?

15   A   Yes.

16   Q   Bradley dot Manning users account, then

17 took that file and placed it on the machine, the 22

18 machine in two locations?

19   A   Yes, sir.

20   Q   And both of those locations had Farah in

21 the title?

```
 1       A       Correct.

 2       Q       Now, you also found reference to this

 3  particular file, TGT1 in the dot 22 registry, correct?

 4       A       Correct.

 5       Q       Could you explain for the court what it

 6  means when you find something in the registry?

 7               THE COURT:  What was it found in the

 8  registry?

 9               THE DEFENSE:  TGT1 do the WMV.

10       A       Which registry style, the user?

11       Q       Yes.

12       A       Each user account has a file called NT user

13  dot dat.  If you open the documents, there's a lot of

14  information within the user dot dat.  It maintains

15  information such as the last 10 Word documents you

16  opened.  One of the files there was the TGT1 appeared

17  to be accessed as well.

18       Q       So the appearance of the TGT1.wmv file in

19  the registry would suggest that it was played?

20       A       Reviewed.

21       Q       Were you able to tell what application was
```

1 used to view that?

2   A   I believe it was --

3   Q   Was it Windows Media Player?

4   A   Yes, sir. Sorry.

5   Q   Could you explain for the court what one

6 generally uses Windows Media Player for?

7   A   Playing videos or audio.

8   Q   Okay. So we have the user Bradley dot

9 Manning playing the TGT1.wmv file in an application

10 that's typically used to view videos?

11   A   Right.

12   Q   That was on 17 April 2010?

13   A   Yes, I don't recall the date. I'm sorry.

14 That sounds reasonable.

15   THE DEFENSE: Your Honor, I'm going to

16 retrieve what's been marked as Defense Exhibit Gulf I

17 believe for identification.

18 BY MR. HURLEY:

19   Q   Agent, would you please head over to the

20 panel box. This actually is Defense Exhibit Gulf for

21 ID.

1   I'm handing the Exhibit to the witness.

2   Agent Shaver, do you recognize that

3   document?

4   (Witness reading.)

5   A   Yes, sir; I do.

6   Q   What is it?

7   A   Sir, this is a Excel spreadsheet I created

8   from the Intelink logs -- how far can I go?

9   I'm waiting for you to tell me where to go

10   on this.

11   Q   You can say more.

12   A   Based off the key words Farah and CENTCOM.

13   Q   How do you know that that's what that

14   document is?

15   A   I created it, sir.

16   Q   How did you go about creating it?

17   A   Sir, I filtered, again it was an Excel

18   spreadsheet. So I filtered on the key words Farah and

19   CENTCOM.

20   Q   So these are the Intelink logs. We dealt

21   with these a little bit yesterday and now we have got,

1 again, the Intelink logs are like Google searches,

2 correct?

3   A   Correct.

4   Q   So what you've done here is you've taken

5 the Intelink logs and these are the full logs, right?

6   A   Yes, sir.

7   Q   Not just the queries but the full logs?

8   A   Yes, sir.

9   Q   And you've taken those and you've filtered

10 them to grab any actions that deal with Farah and

11 CENTCOM?

12   A   Okay.

13   Q   Now, looking at that, would you agree with

14 me that at no point did the 22 or the dot 40 user view

15 any videos on the CENTCOM server that dealt with Farah.

16 Take a moment to look through that.

17   A   Repeat your question.

18   Q   I will. Would you agree with me that

19 there's no evidence that the dot 22 or dot 4 machine or

20 the user Bradley dot Manning, viewed anything, any

21 videos that were associated with Farah?

1   A   Correct.

2   Q   What was the date range in those Intelink

3   logs?

4   A   One moment, sir. Appears to be 22

5   March 2010.

6   Q   And the Intelink logs generally speaking

7   would include what, what range of dates?

8   A   November 2009 to May 2010.

9   THE DEFENSE: Retrieving that back and we

10 would offer this as evidence?

11   THE COURT: Can I ask you to repeat your

12 answer. What's the 22 March 2010? What was the

13 question and answer?

14   THE DEFENSE: The question was just what

15 dates are encompassed in this document.

16   THE COURT: Thank you.

17   THE PROSECUTION: No objection, Your Honor.

18   THE COURT: Defense Exhibit Gulf is

19 admitted.

20 BY MR. HURLEY:

21   Q   Agent Shaver, one more time, the Intelink

1   logs, generally speaking the entire span was from

2   November of 2009 to May of 2010, correct?

3   A   Correct.

4   Q   So when you looked at, the only activity

5   that was captured that dealt with Farah and CENTCOM

6   would have been on 22 March, correct?

7   A   Correct.

8   Q   Now, Agent Shaver, you talked on direct

9   about various ways in which the Farah evidence made its

10 way onto PFC Manning's, the SIPRNET machines associated

11 with him, correct?

12   A   Correct.

13   Q   You talked about, we talked about the Intel

14 Link logs. We have also seen data from the CENTCOM

15 server, correct?

16   A   Correct.

17   Q   Did you look at any other logs in order to

18 determine whether any data was transferred from CENTCOM

19 to the 22 or the 40 machines?

20   A   Yes, I did.

21   Q   What did you look at?

1   A   Other logs files called Centaur logs.

2   Q   What are Centaur logs?

3   A   Those are net flow logs. They capture

4 information (INAUDIBLE) --

5   THE PROSECUTION: Objection, Your Honor.

6 Outside the scope of the direct.

7   THE COURT: Sustained.

8   THE DEFENSE: Your Honor, the defense

9 believes the government has opened the door to the

10 Centaur logs. The witness has testified about how the

11 Farah, the video that's the subject of (INAUDIBLE)

12 specifically. He's talked about how documents related

13 to Farah have ended up on the witness's or on the, my

14 client's machine. And we think that talking about the

15 Centaur logs would give the court the complete picture

16 of --

17   THE COURT: Government, what is, you're

18 planning on addressing the Centaur logs later?

19   THE PROSECUTION: In conjunction with

20 Department of State information, Your Honor.

21   THE COURT: Is there anything in the

 1 Centaur logs, I'll ask both sides, that's relevant to

 2 the Farah videos?

 3   MR. HURLEY: The defense believes so, Your

 4 Honor.

 5   THE COURT: I will overrule the objection

 6 to the extent you're talking about Farah.

 7   MR. HURLEY: Yes, ma'am.

 8 BY MR. HURLEY

 9   Q   So could you explain again what are Centaur

10 logs?

11   A   Net flow logs, sir. They're sense words

12 throughout the DoD network and they measure, they

13 capture the flow of traffic. We don't know what data

14 is transferred between two computers.

15   Q   So if you're a user and you log onto the

16 CENTCOM server, we're going to see the IP address

17 associated with Agent Shaver has connected to the

18 CENTCOM server and we'll see data going back and forth?

19   A   Correct.

20   Q   Now, what did you do with the CENTCOM, I'm

21 sorry, the Centaur logs?

```
 1      A        Sir, I put them to Excel for easier review.

 2               THE DEFENSE:  This time I'm going to

 3   retrieve Defense Exhibit Charlie for identification.

 4               Agent Shaver, could you please move to the

 5   panel box.

 6      Q        I'm handing you what's been marked as

 7   Defense Exhibit Charlie for identification.  What is

 8   that document?

 9      A        Sir, this is a spreadsheet I created.  It

10   shows the IP address of the remote computer, the

11   computer name and the computer name contains the words

12   CENTCOM and it shows the total number of connections

13   and the total data transferred.

14      Q        How many IPs are listed there that you have

15   associated with CENTCOM?

16      A        Seven.

17      Q        And when you created this, when you

18   reviewed the Centaur logs, well, I'll hold off on that.

19   Couple more questions about Centaur logs generally.

20               Do those cover net data flow over all of

21   DoD?
```

```
 1        A       Yes and no.

 2        Q       Okay.

 3        A       Sensors are placed throughout the network

 4   so, say, for example, this room is a network.  You and

 5   I could communicate all day long there won't be any

 6   sensor communication.  As soon as you left the room and

 7   the sensor, that's when it would log it.  There may not

 8   have been any sensors within the actual FOB Hammer or

 9   Iraq.  There may be sensors when you leave country.

10        Q       Okay.

11        A       So you're not going to get a complete

12   picture and also Centaur logs, sensor, they go down, so

13   Centaur logs are not a complete picture.  There are

14   fortunately large breaks of data where there's no

15   information.

16        Q       Sure.  And, in fact, in the Centaur logs

17   that you reviewed there were large gaps in data,

18   correct?

19        A       Yes, sir.

20        Q       What was the timeframe of the Centaur logs

21   that you reviewed in this case?
```

```
 1        A        I want to say October 2009 to May 2010.

 2        Q        And the Centaur Logs you reviewed included

 3   activity between the 22 and 40 machine and other

 4   servers throughout DoD, correct?

 5        A        Correct.

 6        Q        Directing your attention back to Defense

 7   Exhibit Charlie for identification.  You mentioned that

 8   there's a column there that talks about how much data

 9   was actually transferred, correct?

10        A        Correct.

11        Q        If you could just, you said there were

12   (INAUDIBLE) certification?

13        A        Correct.

14        Q        How much data was transferred?

15        A        Ish?

16        Q        Ish.  Thank you.

17        A        Maybe 20 megs.

18                 MR. HURLEY:  I'm going to retrieve this

19   exhibit for identification from the witness and offer

20   it as Defense Exhibit Charlie.

21                 THE PROSECUTION:  We'd object, Your Honor,
```

 1   based on lack of foundation.

 2   THE COURT: You're the ones that objected.

 3   If you go more in depth to the Centaur logs.

 4   THE PROSECUTION: We object on that basis

 5   that it's outside the scope of direct.

 6   THE COURT: I understand that but I told

 7   him I'm limiting him to going with -- let me put it

 8   this way. Does the government believe there may be

 9   additional foundation with respect to the Centaur logs

10   without going beyond what I said with Farah?

11   THE PROSECUTION: Your Honor, we'll

12   withdraw the objection.

13   THE COURT: Thank you.

14   Exhibit Charlie for identification is

15   admitted.

16   MR. HURLEY: I'm now retrieving what's been

17   marked as Defense Exhibit Delta for identification.

18   I'm handing the witness Defense Exhibit

19   Delta for identification.

20   BY MR. HURLEY:

21   Q   Agent Shaver, what is that?

```
 1        A        Sir, this is an Excel spreadsheet I
 2  created.
 3        Q        What SD memory does that Excel spreadsheet
 4  show?
 5        A        It shows the source and destination IPs,
 6  the netflow data on the data that was captured, traffic
 7  that was captured.
 8        Q        What IPs did you capture in the source IP
 9  column?
10        A        Those would be the CENTCOM servers.
11        Q        Would those be the same IPs from Defense
12  Exhibit Charlie?
13        A        Can I see them to verify?
14        Q        Sure.
15        A        Thanks.
16        Q        I'm handing the witness Defense Exhibit
17  Charlie.
18        A        Thank you, sir.
19                 (Witness reading.)
20        A        Yes, sir.
21        Q        You said you created Defense Exhibit Delta
```

 1 for identification. How did you create that document?

 2   A   Sir, since there was an Excel spreadsheet I

 3 simply filtered on the IPs that result back to the

 4 CENTCOM main.

 5   Q   So the source IP column includes the IPs

 6 from CENTCOM, correct?

 7   A   Correct.

 8   Q   And the destination IPs are what?

 9   A   Either dot 40 or dot 22.

10   Q   So you would agree with me that Defense

11 Exhibit Delta for identification includes the netflow

12 data between CENTCOM servers and the 22 and 40 machines

13 that was captured by the Centaur logs?

14   A   Correct.

15   Q   And again you mentioned there are gaps in

16 the Centaur logs?

17   A   Yes.

18   Q   Is there any gaps reflected in Defense

19 Exhibit Delta for identification?

20   A   (INAUDIBLE).

21   Q   Again, those gaps are because sensors go

1 down?

2   A   Yes, sir.

3   Q   Or there could be gaps because there's no

4 activity?

5   A   Correct.

6   Q   We do know that you would agree with me

7 it's not because of anything that the user would have

8 done?

9   A   Correct.

10   Q   It wouldn't have been PFC Manning who

11 tampered with Centaur logs and forced them to not

12 gather data?

13   A   Correct.

14   Q   That's just something that happens. Now, I

15 want to talk about, I guess at this time, Your Honor,

16 we would offer Defense Exhibit Delta for identification

17 as Defense Exhibit Delta?

18   THE PROSECUTION: Delta or Charlie?

19   THE COURT: They've admitted Charlie. This

20 is Delta.

21   THE PROSECUTION: No objection.

 1   THE COURT: May I see it?

 2   MR. HURLEY: Retrieving Defense Exhibit

 3   Delta from the witness.

 4   THE COURT: Exhibit Delta is admitted.

 5   BY MR. HURLEY:

 6   Q   Agent Shaver, yesterday you spoke about a

 7   number of Intelink log searches. Do you recall that?

 8   A   Yes.

 9   Q   We talked about searches that were related

10   to Farah?

11   A   Correct.

12   Q   One such search was on 30 November by the

13   dot 40 machine -- I will retrieve Prosecution Exhibit

14   81, please.

15   MR. HURLEY: Your Honor, the Prosecution

16   Exhibit that I'd like the witness to reference is in

17   (INAUDIBLE) right now.

18   THE COURT: Is this a good time to take a

19   brief recess? Can someone go get it?

20   THE PROSECUTION: Someone has gone to get

21   it.

1   THE COURT: Is it still a good time, how

2   long is it going to take them to get it do you think?

3   THE PROSECUTION: Probably two or three

4   minutes.

5   THE COURT: Okay.

6   THE PROSECUTION: Or less.

7   THE COURT: We can wait. Court is recess

8   in place. The witness will remain in the witness box.

9   Feel free to move around.

10   (Brief recess.)

11   THE COURT: Please proceed. All parties

12   present at the last recess were present.

13   MR. HURLEY: I'm going to retrieve

14   Prosecution Exhibit 81 and hand that to the witness.

15   Before we get going on that, I'll retrieve

16   Defense Exhibit Charlie from you.

17   BY MR. HURLEY:

18   Q   Okay. We're on prosecution Exhibit 81.

19   You're able to see all the Intelink searches that

20   you've associated with my client, correct?

21   A   Two computers; yes, sir.

```
 1      Q       And the first such search that implicates

 2  Farah would have been on 30 November.

 3              THE COURT:  That would be 2009.

 4              MR. HURLEY:  Yes, ma'am.

 5      A       Yes, sir.

 6      Q       And that was the dot 40 machine?

 7      A       Yes, sir.

 8      Q       Okay.  I'd like you to now look at the

 9  Centaur logs on 30 November.

10              Would you agree with me that there was no

11  data transferred between CENTCOM and the 22 or 40

12  machine on 30 November?

13      A       I have no logs from that date.

14      Q       There are no logs from that date.  So you

15  would agree there's no evidence that any data was

16  transferred from the CENTCOM server and the 22 or the

17  40 machine?

18      A       There's -- there may have been data.  I

19  can't tell.

20      Q       Right.  Okay.  So the Centaur logs don't

21  show any activity?
```

```
 1        A       Correct.

 2        Q       On 30 November?

 3        A       Correct.

 4        Q       Now, the next search we have is 9 December

 5   by the dot 40 machine; is that correct?

 6        A       One moment.  Correct.

 7        Q       And that was the dot 40 machine looking at

 8   the Centaur logs.  You would agree with me that there

 9   is no evidence that data was transferred on that day

10   either?

11        A       I have no entries from December 9, correct.

12        Q       Our next search is on 15 November 2009.

13   Again, that's the dot 40 machine?

14        A       15 December.

15        Q       Yes, sir.

16        A       Yes, sir.

17        Q       And looking at the Centaur logs?

18        A       I have no information.

19        Q       Okay.  So there's no evidence of a transfer

20   on 15 November?

21        A       Right.
```

```
 1       Q       Okay.  Let's look at the next date, the

 2   16th of December 2009, again, the dot 40 minute?

 3       A       Correct.  I have no log of that.

 4       Q       So no data transferred on the 16th of

 5   December?

 6       A       Correct.

 7       Q       All right.  Now, we have what would be

 8   December 31st, again, the dot 40 machine.

 9               THE COURT:  What was the date?

10               MR. HURLEY:  I'm sorry, the 31st of

11   December, ma'am.

12       A       I do not have a 31 December.

13       Q       You have a search for CENTCOM?

14       A       I do.

15       Q       Did you do 30 December or 31?

16       A       31 December I do have a search, Intel Link,

17   on Centaur I have no data transferred.

18       Q       No data transferred on Centaur, okay.  Now,

19   we have 2 January, 2010.  And we have a search on the

20   dot 40 machine, correct?

21       A       Yes, sir.
```

1   Q   And the Centaur logs do show a transfer on

2 that day?

3   A   That is correct.

4   Q   And that transfer was 637 kilobytes,

5 correct?

6   A   I don't have a calculator, sir.

7   Q   Is it 637,547 bytes?

8   A   Well, no. I would -- 2 January, there are

9 numerous entries. Each had bytes. You would have to

10 total that up.

11   THE COURT: Meaning where entries were

12 searched or for Centaur?

13   A   Centaur has numerous entries and each one

14 shows how many bytes were transferred for each entry.

15 I'm sorry, there's quite a few numbers here.

16   Q   What's the first one?

17   A   First byte 38315. Do you want me to go

18 through all of this?

19   Q   Yes.

20   A   29185, 168442, 146880, 5888, 2028. 35138.

21 21597. 19932, 34797, 7562, 2158, 36338, 21597, 5293,

```
 1   23875, 32333, 3816, and 2373.
 2       Q       Okay.  Would you agree with me that that
 3   comes out to about 600 megs or 600 kilobytes?
 4       A       Sure.
 5               THE COURT:  Do you know or you don't know?
 6               THE WITNESS:  No, I don't know, ma'am.  I
 7   need a calculator.  I apologize.
 8               THE COURT:  No reason to apologize.
 9   BY MR. HURLEY:
10       Q       Agent Shaver, would you agree with me that
11   if you were to add up all of that, all those bits and
12   bytes, that would not be a enough to transfer a video?
13       A       Correct.  I would agree with you on that.
14       Q       Our next Intelink search is on 4 January?
15       A       Yes, sir.
16       Q       And that's the dot 40 machine again?
17       A       Yes, sir.
18       Q       And there's no evidence in the Centaur logs
19   of data transferred on that day; is that correct?
20       A       That's correct.
21       Q       Our next search is on 19 February?
```

```
 1       A       Yes, sir, I see it.

 2       Q       Do you say data transferred on that day?

 3       A       I do as well.

 4       Q       Are there multiple instances of data

 5  transfer?

 6       A       Yes, sir, there are.

 7       Q       How many?

 8       A       I have two.

 9       Q       Would you agree that those two add up to

10  about 252 kilobytes?

11       A       (No answer.)

12       Q       Let me ask you this, Agent Shaver:  Would

13  you agree on 19 February there wasn't enough data

14  transferred to transfer one of the zip files containing

15  the video from CENTCOM?

16       A       Yes, sir.

17       Q       Okay.  Now, let's look at 28 February.

18       A       Yes, sir.

19       Q       Do we see a search on 28 February?

20       A       I do.

21       Q       Again the dot 40 machine?
```

```
 1        A       Yes, sir.

 2        Q       And was there data, there was data

 3   transferred on that date, correct?

 4        A       Yes, sir; it was.

 5        Q       How many instances of data transferred?

 6        A       Thirteen.

 7        Q       Okay.  And would you agree with me that

 8   there's not enough data transferred on that day to have

 9   transferred any of the zip files contained in the

10   video?

11        A       Yes, sir.

12        Q       Let's look at 12 March.

13                There's a search on 12 March by the dot 22

14   machine?

15        A       Yes, sir.

16        Q       And we do see data transferred on that day,

17   correct?

18        A       Yes, sir.

19        Q       How many instances of transfer are there?

20        A       I count 29.

21        Q       And if you add all those up, you would
```

1   agree with me that that's not enough to have

2   transferred one of the zip folders containing the video

3   from CENTCOM?

4   A   Yes, sir.

5   Q   Our next search is on 17 March on the 22

6   machine.

7   A   Yes, sir.

8   Q   And there's no evidence of any data

9   transferred on that day, correct?

10   A   One moment. Correct, sir.

11   Q   Now, our last Intelink search is on 22

12 March, correct?

13   A   One moment. Correct.

14   Q   And that was the only search that actually

15 specifically references Farah, isn't it? Of all the

16 Intelink searches that you've looked at so far, that's

17 the only one that implicates Farah?

18   A   Correct.

19   Q   And there was data transferred on that

20 date?

21   A   March, yes, sir.

1   Q   There are quite a few instances of data

2   transferred on that date?

3   A   Yes, sir.

4   Q   You would agree with me if you added all

5   those up, it wouldn't be enough to transfer one of the

6   videos from the CENTCOM server, correct?

7   A   Yes, sir.

8   Q   And you would also agree with me that the

9   CENTCOM server logs that you reviewed when we talked

10   about earlier, those showed activity on 22 March as

11   well, right?

12   A   Correct.

13   Q   And that was activity where we saw jpegs

14   and PDFs and PowerPoints we looked at, correct?

15   A   I'm sorry, sir, I believe that was April --

16   Q   I'm sorry, that's correct. Okay.

17   Agent Shaver, I'm going to take those

18   exhibits back from you. I'm handing Prosecution

19   Exhibit 81 back.

20   Agent Shaver, you can move back to the

21   witness stand.

1   (Witness complies.)

2   Q   Agent Shaver, you would agree with me that

3 there were no instances, there's no evidence of any, of

4 data being transferred from the CENTCOM servers to the

5 22 or the 40 machines in a volume large enough to have

6 transferred one of the videos that the CENTCOM server

7 posted?

8   A   Right.

9   Q   And you would agree with me that the only

10 instance of a video that is any way associated with

11 Farah that was found on the 22 or the 40 machine was

12 actually, actually came from the T-drive?

13   A   Okay. Yes, sir.

14   Q   And that was on 17 April?

15   A   I don't remember the date.

16   Q   But it was in April?

17   A   Yes, sir.

18   Q   No further questions. Thank you.

19   THE COURT: Redirect.

20   THE PROSECUTION: Ten minute recess, Your

21 Honor?

1   THE COURT: All right. Agent Shaver, same

2 rules apply during recess. Court is in recess until 22

3 minutes after 1700 or five o'clock.

4   (Brief recess.)

5   THE COURT: Be seated. All parties are

6 present when the court last recessed are in the court.

7 The witness is in the witness box.

8   REDIRECT EXAMINATION BY MR. MORROW:

9   Q   Agent Shaver, was the Wget program embedded

10 as part of the NCD server?

11   A   No, sir.

12   Q   And how does one download documents or

13 cables from the NCD server (INAUDIBLE)?

14   A   You go to the website and select the files

15 you want and download them.

16   Q   Now, what does Wget allow you to do when

17 downloading documents from any server, NCD or

18 otherwise?

19   A   Automates it, more robust, if there's a bad

20 connection it will retry.

21   Q   What are some other technical benefits of

```
 1   Wget when downloading documents?

 2        A       Faster.  You can run it in the background.

 3   You can rename files.

 4        Q       How much faster is Wget?

 5        A       Conservatively, sir.  It all depends though

 6   on the network segment you're on.  If you're on a good

 7   segment it's fast but it would be faster if you had a

 8   good segment.  If you're on a poor connection it would

 9   automate it.  It would be faster than the (INAUDIBLE)

10   one.

11        Q       I'd like to talk about the videos again on

12   the CENTCOM SharePoint.  What was the naming convention

13   of the CENTCOM Farah videos, or the videos associated

14   with Farah that were on the Sharepoint Server?

15        A       BE22.

16        Q       Was that true of all the videos on there?

17        A       Yes, sir.

18        Q       What was the naming convention?

19                THE COURT:  What is a naming convention?

20                MR. MORROW:  Just the file name.

21                THE COURT:  Okay.
```

 1 BY MR. MORROW:

 2   Q   What was the file name? What was the file

 3 name of the dot WMV file or the video file on the

 4 T-drive that you said was associated with Farah?

 5   A   It was a TGT1 dot WMV.

 6   Q   Now, can you tell whether the videos on the

 7 CENTCOM Sharepoint Server with the file names of BE22,

 8 et cetera are the same videos or the same video that

 9 appeared to be associated with Farah on the T-drive?

10   A   No, sir, I didn't have, couldn't recover

11 the file, TGT1, to compare.

12   Q   Again, when you searched the unallocated

13 space on the dot 40 and dot 22 computers, were you able

14 to find any videos?

15   A   No, sir.

16   Q   No remnants of any videos?

17   A   I didn't find complete videos. Video files

18 are complex. If you find a part of it, it probably

19 won't play. So you need to find basically the entire

20 video to make it work right.

21   Q   I want to ask you about the NT user file.

1   What is that again please?

2   A   Sir, that's NT user dot net is a registry

3   file. It maintains settings. For each individual user

4   has one. So, again, the easiest way to do, to explain

5   it again, if you have office documents and you go file

6   open it and shows the last 10, that's where that's

7   maintained.

8   Q   So the NT user file would show you sort of

9   the last 10, if it was the WMV or video file version,

10   it would show the last 10 videos that were opened?

11   A   Associated with that extension.

12   Q   Okay. Now, if a, let's say a zip file had

13   a WMV embedded and it was encrypted or password

14   protected, would the NT user file capture a video that

15   wasn't actually opened?

16   A   Not in that scenario.

17   Q   Why is that?

18   A   Because it would be a zip file and it would

19   be also password protected.

20   Q   So the password protected would prevent it

21   from being logged in the NT user?

```
 1       A       Correct.

 2       Q       Now, so let me circle back then.  What does

 3  it tell you if the TGT1 was in the NT user file?

 4       A       It was not password protected and it was

 5  viewed.

 6       Q       So it was viewed or opened?

 7       A       Right.

 8       Q       Especially we talked about this awhile ago,

 9  but you reviewed the Lamo chat logs as part of this

10  investigation, correct?

11       A       Yes, sir.  I did.

12       Q       And I'd like to retrieve Prosecution

13  Exhibit 30.

14               Agent Shaver, Prosecution Exhibit 30 are

15  the Lamo user chat logs.  Can you just review them very

16  briefly.

17               (Witness reading.)

18       A       Yes, sir.

19       Q       And you recall reviewing these chat logs

20  prior to the case, correct?

21       A       Yes, sir.
```

```
 1              MR. MORROW:  I'm retrieving the Exhibit
 2   from the witness.
 3              Your Honor, permission to publish?
 4              THE COURT:  Go ahead.
 5   BY MR. MORROW:
 6       Q      Agent Shaver, I'm publishing page 12 of the
 7   chat logs.
 8              Are you able to read that?
 9       A      Yes.  Can you make it a little bigger?
10       Q      Yep.
11       A      Little easier to read.
12              Okay.
13       Q      Now, I'd like you to start with the entry,
14   starting with 2:14:46 p.m.  Can you read down from
15   there?
16       A      Sure.  Yes, sir.  Based upon the
17   description he gave me I assessed it was the northern
18   European (INAUDIBLE) security team trying to figure out
19   how he got the (INAUDIBLE) cable.  They also caught
20   wind that he had a video of the Gharani airstrike in
21   Afghanistan which he has but he hasn't decrypted yet.
```

1   The detection team was working on the Baghdad strike

2   (INAUDIBLE) which was never really encrypted.

3   Next line he got the whole 156 for the

4   incident, so it won't be just a video with no context.

5   Next line, but it's not nearly as damning.

6   It is an awful incident, but nothing like the Baghdad

7   one.

8   Q   Let me stop you there. Based on the

9   description of the Gharani video and these chat logs

10 and what you observed in the NT user file with the WMV

11 so TGT1.wmv, what does that tell you?

12   A   This chat makes it sound like they had the

13 password protected one, they have a password protected

14 version of the videos and they're, they have not

15 decrypted it.

16   Q   Thank you. I'm going to show you page 46

17 as well.

18   Here I'd like you to read from 4:33:21 p.m.

19   A   Anything else interesting on this table as

20 a former collector of interesting.com info.

21   Next line IDK, I don't know. I only know

```
 1   what I provided him.

 2             Next line, what do you consider the

 3   highlights.

 4             Next line, the Gharani airstrike videos and

 5   for report Iraq war event log, the Gitmo papers and the

 6   State Department cable database.

 7        Q    Thank you, Agent Shaver.

 8             THE COURT:  Do we have another recross?

 9             THE PROSECUTION:  I have some more.  I'm

10   sorry.

11             I'm handing Prosecution Exhibit 30 back to

12   our court reporter.

13   BY THE PROSECUTION:

14        Q    Agent Shaver, let's talk briefly about

15   Centaur logs.  What do they capture?

16        A    Netflow information, destination port,

17   source board amount of data transferred, date and

18   times.

19        Q    When you reviewed the Centaur logs

20   reflected in this case, did you observe any large data

21   gaps in those logs?
```

1   A   Yes, sir.

2   Q   Approximately what was the time period of

3 those gaps?

4   A   End of December was one of the gaps. There

5 were several other ones. I don't recall specific dates

6 off the top of my head.

7   Q   Do you recall a gap between November 19th

8 and 1 December?

9   A   Yes, sir.

10   Q   And based on your review of that gap, do

11 you think that there was no activity at that time or

12 did you think that there was something wrong with the

13 Centaur sensors?

14   A   Sure, there was something wrong with the

15 sensors.

16   Q   Why do you say that?

17   A   Sir, computers on a domain, they have to

18 communicate with the domain server. But more than that

19 they want to update. One of the things they update is

20 antivirus and time. The time protocol is used to keep

21 all the computers in sync with each other because time

```
 1   and antivirus was not going on during those timeframes,

 2   either the computer was off or there was a problem with

 3   the sensor.

 4        Q       So did you not observe any updating of time

 5   or antivirus at that time?

 6        A       Correct.

 7                MR. MORROW:  I'd like to retrieve Defense

 8   Exhibit Delta.

 9   BY MR. MORROW:

10        Q       Agent Shaver, I'd ask you to move over to

11   the panel box again.

12                Agent Shaver, I'm handing you Defense

13   Exhibit Delta.  Please explain again what is Defense

14   Exhibit Delta?

15        A       It's netflow logs.  But it's to and from

16   servers, CENTCOM servers.

17        Q       All the CENTCOM servers that you were able

18   to find?

19        A       Correct.

20        Q       And to where?

21        A       To and from dot 40 and dot 22.
```

1   Q   Now, please show me in the Centaur logs the

2   activity on 10 April.

3   A   There are no logs for April.

4   Q   There's no activity in the Centaur logs

5   relating to 10 April 2010?

6   A   Correct.

7   Q   What does that tell you based on what you

8   saw in the index dot dat file in PFC Manning's dot 22

9   computer?

10   A   These logs were not captured that day.

11   Q   Is it fair to assume that Centaur logs are

12 not a perfect logging system?

13   A   That's correct.

14   Q   Because there are some gaps in the logs?

15   A   Yes, sir.

16   Q   Now, Agent Shaver, you can move back to the

17 witness stand, please.

18   A   (Witness complies.)

19   Q   Let's talk again about you were shown some

20 Intel Link logs again.

21   What does Intel Link capture when you

1 search for something?

2   A   It will capture the key word searched and

3 things that you click on. Search results that you

4 view.

5   Q   What happens if you click on a result that

6 comes back in the Intel Link logs or as a result of

7 search in intelligence analyst?

8   A   If it's on the intelligence analyst it

9 should show you to either download a document or visit

10 a web page.

11   Q   So it will sort of direct you to somewhere

12 else?

13   A   It could.

14   Q   It could.

15   Well, let's say, what happens if Intel Link

16 redirects you to another server?

17   A   It's no longer a part of Intelink. It

18 passes that information off to the other server so

19 there would be no entries within Intelink because it's

20 no longer part of the Intelink, well, world.

21   Q   And so is it fair to say that Intelink

1 doesn't capture activities on other servers?

2   A   That's correct.

3   Q   Now, if you viewed a video on another

4 server, would Intelink capture that capacity?

5   A   Maybe.

6   Q   Maybe.

7   Explain.

8   A   Depends where the server, where that file

9 is.

10   Q   If you downloaded a video from another

11 server, would Intel Link capture that activity?

12   A   Depends where the server or where it is.

13   Q   If you clicked on a result and were

14 redirected would Intel Link capture that activity?

15   A   Probably not.

16   THE PROSECUTION: No further questions.

17   THE COURT: Recross?

18   MR. HURLEY: Yes, ma'am.

19   RE-CROSS EXAMINATION BY MR. HURLEY:

20

21   Q   Agent Shaver?

```
 1       A       Hello, sir.

 2       Q       You just talked with Captain Morrow about

 3   the Lamo chats.  You would agree with me that PFC

 4   Manning never said that he gave the Farah video or the

 5   Gharani airstrike video?

 6       A       Correct.

 7       Q       And he never said that he gave them an

 8   encrypted version of the video?

 9       A       Well, there was something he mentions,

10   obviously something with encryption and password.

11       Q       He mentioned that WikiLeaks had an

12   encrypted version, correct?

13       A       Yes.

14       Q       But he didn't actually claim to have given

15   them an encrypted version?

16       A       Correct.

17       Q       You would agree with me that it's possible

18   that PFC Manning found an unencrypted version and then

19   provided that to WikiLeaks?

20       A       Anything is possible.

21       Q       Now, you talked about some of the gaps in
```

1   the Centaur logs. Were there gaps in the CENTCOM

2   server logs?

3   A   Not to my knowledge.

4   Q   And you testified before that the BEPAX

5   videos had been accessed twice, according to the

6   CENTCOM server logs?

7   A   Correct.

8   Q   One of those was on 28 January?

9   A   Yes, sir.

10   Q   And one of them was on 23 February?

11   A   Correct.

12   Q   Both of those in 2010?

13   A   Correct.

14   Q   Nothing in 2009?

15   A   Correct.

16   Q   You would agree with me that there's no

17 evidence of PFC Manning or the 22 machine or the dot 40

18 machine accessing a file called BE22PAX.zip, correct?

19   A   Correct.

20   Q   Do you have any knowledge of whether or not

21 WikiLeaks ever told PFC Manning that they had an

```
 1   encrypted version?

 2        A      I would have no knowledge of that.

 3        Q      Did you review any chats between PFC

 4   Manning and a person associated with WikiLeaks?

 5        A      As part of (INAUDIBLE), yes.

 6        Q      Did you know about a 2008 regarding

 7   WikiLeaks that (INAUDIBLE)?

 8        A      I knew about it later.

 9        Q      So you're aware on 8 January WikiLeaks

10   apparently --

11               THE COURT:  8 January of what year?

12        Q      2010, ma'am, 2008 that they had an

13   encrypted version?

14        A      I don't remember the date but I remember

15   there being a 2008.

16        Q      And that was before any chats between PFC

17   Manning and Adrian Lamo?

18        A      Yes.

19        Q      Those chats were in May?

20        A      Correct.

21        Q      And again in those chats he never said
```

```
 1  that, he never said I sent them an encrypted version?

 2       A       Right.

 3       Q       He just said he's aware that WikiLeaks has

 4  an encrypted version?

 5       A       Yes, sir.

 6               MR. HURLEY:  Nothing further, Your Honor.

 7               THE COURT:  Do you have redirect?

 8               MR. MORROW:  Final.  Three or four

 9  questions, Your Honor.

10               THE COURT:  Okay.

11               REDIRECT EXAMINATION BY MR. MR. MORROW:

12       Q       Agent Shaver, page 46 of the logs we just

13  saw, did PFC Manning admit to providing the Gharani

14  airstrike videos to WikiLeaks?

15       A       I got to review it again, sir, I'm sorry.

16       Q       Yes.  Prosecution Exhibit number 30,

17  please.

18               If you could just refer to page 46.  Again

19  if you would just read out loud from anything

20  interesting as a collector or.

21               (Witness reading.)
```

1   Q   Sir, let me help you on it. We'll do it

2 this way.

3   Just start with the entry at 4:33:44 p.m.?

4   A   IDK, which commonly stand for I don't know.

5 I only know what I provided him.

6   Next line for Mr. Lamo, what do you

7 consider the highlights? The Gharani airstrike videos

8 and full report Iraqi war event log, the Gitmo papers

9 and the State Department cable database.

10   Q   That's good. Thank you, Agent Shaver.

11   Agent Shaver, I want to talk about the

12 CENTCOM Sharepoint Server logs again.

13   A   Yes, sir.

14   Q   Did you observe or did you have logs

15 collected in this case before 1 December 2009?

16   A   No, sir.

17   Q   Why is that?

18   A   Because they didn't exist. The logs rotate

19 and we collected them in July 2010 and that's as far

20 back as they went.

21   Q   So 1 December 2009 was as far back as

 1 CENTCOM had?

 2   A   Correct.

 3   Q   And when is Thanksgiving generally in the

 4 year, what month?

 5   A   November.

 6   Q   Usually around what date of November?

 7   A   27th.

 8   Q   Thank you.

 9   MR. MORROW: No further questions.

10   THE COURT: All right. I have a few.

11   EXAMINATION BY THE COURT:

12   Q   The first one, can you clear up some

13 confusion for me. I hear Farah video, Gharani video.

14 Are those the same things, are they different?

15   A   The same thing.

16   Q   Okay. Let me see if I understand what I

17 thought your testimony was.

18   The Gharani video was only accessed,

19 according to the records, twice from or the Gharani

20 video from the Centaur logs. There's no evidence it

21 was ever transferred from CENTCOM to the dot 22 or the

```
 1   dot 40?

 2        A      Correct.

 3        Q      Or at least as file name BE22PAX.wmv?

 4        A      The zip file (INAUDIBLE), yes, ma'am.

 5        Q      And there was a video with that file name

 6   on either the dot 22 or the dot 40 computer?

 7        A      No, ma'am.

 8        Q      What was on the dot 22 or dot 40 computer?

 9        A      There was another video that was identified

10   through the restore points that was called TGT1.  Tango

11   Gulf Tango 1.

12        Q      Okay.

13        A      However, I have a file name, I don't have,

14   actually the video.

15        Q      Do you know if it is a Farah video?

16        A      The folder it was in was called Farah but

17   the actual contents of the video I do not know.

18        Q      And why is that?

19        A      It was deleted, overwritten, and I cannot

20   recover it.

21        Q      I believe you testified you said that that
```

```
 1   file came from the T-drive?

 2        A       Yes.  It was on the T-drive as well by file

 3   name and then it, it was in Manning, Bradley dot

 4   Manning user profile.

 5        Q       So it was in both the T-drive which is the

 6   shared server drive?

 7        A       Correct.

 8        Q       And in PFC Manning's user profile?

 9        A       Correct.

10        Q       On the T-drive could you view it?

11        A       No, ma'am.  We did not collect that.  That

12   portion was not collected.

13        Q       So do you know what the video with that

14   same file name, what was the file, the TGT video on the

15   T-drive was?

16        A       No, ma'am.

17        Q       If you don't know the answer to this just

18   tell me.  Did you all have Centaur logs that captured

19   data from the CENTCOM share file to the T-drive?

20        A       No, ma'am.

21        Q       Do you know when the TGT file, how long it
```

1 was on the T-drive when it got there?

2   A   No, ma'am. I could tell you the first

3 incident it was on the Bradley dot Manning file was

4 March was the first entry concerning that. 2010.

5   THE COURT: I think that's all I have.

6   Any follow-up based on that?

7   MR. MORROW: One moment, Your Honor.

8   REDIRECT EXAMINATION BY MR. MORROW:

9   Q   Agent Shaver, just to clarify, what does

10 Centaur actually capture?

11   A   Transfers between two computers.

12   Q   Does Centaur capture actual files?

13   A   No, sir, but it does capture the amount of

14 data transferred.

15   RE-RECROSS EXAMINATION BY MR. HURLEY:

16   Q   Agent Shaver, the Centaur logs that you

17 reviewed were only Centaur logs that involved the 22

18 and 40 machine; is that correct?

19   A   That's correct.

20   Q   I believe the judge asked you if there was

21 any Centaur logs data showing transfer from the Centaur

1 to the T Drive but you didn't review any of that

2 Centaur logs log data?

3   A   Correct.

4   Q   So you didn't review all the Centaur logs

5 data from CENTCOM, only stuff that was on 22 or 40

6 machine?

7   A   Correct.

8   Q   It's possible there was transfer from the

9 CENTCOM to the T-drive; you would have no idea?

10   A   Correct.

11   MR. HURLEY: Thank you.

12   THE COURT: All right. Temporary or

13 permanent excusal?

14   MR. MORROW: Temporary, Your Honor.

15   THE COURT: Once again, Agent Shaver, the

16 same rules apply. You're temporarily dismissed.

17   THE WITNESS: Thank you, ma'am.

18   THE COURT: All right. I assume you don't

19 want to call anymore witnesses today?

20   THE PROSECUTION: Ma'am, sticking to the

21 proposed trial schedule for the first time, yes, we do

 1   not want to call anyone else.

 2   United States recommends recess until

 3   tomorrow morning at 9:30. We'll call the next witness,

 4   Special Agent Johnson.

 5   THE COURT: Any objection?

 6   MR. HURLEY: No, Your Honor.

 7   THE COURT: Any issues before we recess for

 8   the court?

 9   MR. HURLEY: No, Your Honor.

10   THE PROSECUTION: No, ma'am.

11   THE COURT: Court is recessed until

12   9:30 a.m. tomorrow.

13   (Court adjourned.)

14

15

16

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21

United States vs.
PFC Bradley E. Manning

UNOFFICIAL DRAFT
6/11/13 Afternoon Session

- Vol. 5
June 11, 2013

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